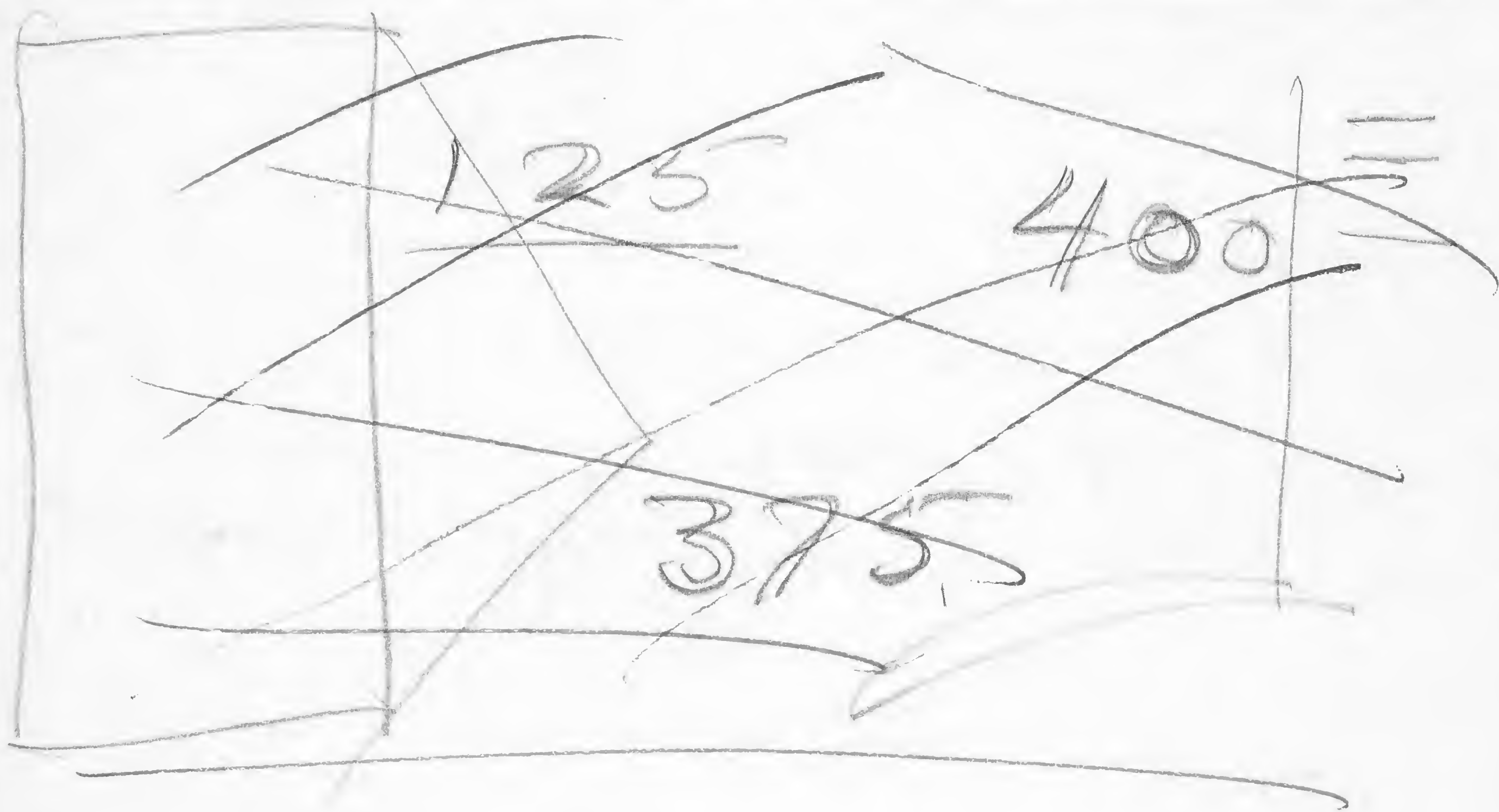


and the general scarcity of natural supplies of it

49

As interesting as were these hot ~~the~~ springs and the story of salt in the heart of the Congo, we did not have time to tarry long. For enroute, to Kisenyi our next port-of-call where we were due on the 12<sup>th</sup> we wanted to get some lava samples from the 1953 eruption of Mt. Nyamuragira. The Congo lavas are different in their chemical composition from those elsewhere in the world, and of geology. Dr. Foshag, our head curator at the time was especially anxious to obtain as many different samples as possible. ~~have us get a few samples~~ ~~that we had to get~~ A special permit for the purpose <sup>was needed and</sup> ~~proved~~ well worth the time taken out of the morning's journey to see Major Gilliaert, the chief game warden at Rumangabo not quite three hours out of Rwindi. <sup>But for</sup> ~~without~~ the special guide he assigned over





To us we would never have located the flow. It was well back in the woods, several miles off the road over a very rough and tortuous trail, the last stretch of which we made afoot.

90 m to  
(50)



Goma

Goma - B. tembo  
mining center

Irura Alt 3,073 ft.  
Benia has now taken over  
in importance

Kaseny → Lake Albert

### Fisheries

Road climbs San Ndele to  
Bogoro marvelous panorama  
from mountains to Lake Albert  
drops 236 feet.

one way pt way  
telephone directs traffic

There

but a way to  
Uvira beats

gas, drums



Beni, hotel with tanks  
in court rooms  
off corridor  
Pop.

Rumenzari hotel  
149 miles from Kasenyi

Bunia. Pop  $\pm 6,000$  } 5,081  
Europeans  
242  
10 miles to Kasenyi Bunia palace hotel

← Babira native women  
Village 2 miles with disc in lip.  
from Bunia  
last of plateau  
women upper incisors removed  
practice is being abandoned  
when these other native pierced lips  
are dead maybe <sup>no more.</sup> <sup>? ear</sup> bar bones and ornaments

Butembo. 32 miles from  
Pop N 3,430 Beni.

Europ. 139.

no hospitals.

Grammar school.



Gampala Apr. 29  
Garamba Apr. 30

Leopoldville Apr. 13-15

Nioka May 1

Red. Gray Kasens May 3

Doxo May 4

Ishango May 6.

Boni May 8 Pygmy vllg.

Rwindi Camp May 10

Green Lake May 13

Lwiro May 15

Mia-ya-mso Bat cave

Uuvira May 16

Obtrida May 23

Kagera Park May

Juba May 28. 24

Buena Vista Bape Arch.

Kak (Nile) June 2

Salem Bungo (Nile) June 3

June 4  
Jebelam (Nile)



How small the world  
is for the travelled man  
in Swin in the Belgic  
Congt I met Alain  
Bernhard and his wife  
He had crossed the Atlantic  
(Heard him in Paris)

Cross in fish pieces  
was Gifford Pinchot's  
idea I remember  
well the Sunday  
morning of Sept 1st in his  
house on Mass Ave  
dining the evening  
(and some) of members  
first the heat in the refrigerator  
at



Collecting: other than mites

(collecting on road?)

on rd to Paulis in (17) (18) <sup>and</sup> (19) (20)

Kasenyi fish see (35) picking out fish; seining in lake.

Ishango fish. see (40) picking out fish on dock

Hot springs out of Rwind: (50) May 11

Lava<sup>1953</sup> (50?) (51)

Lava flows Green Lake (54) (55)

Kitwa skinning animal (25) pt.

" at Nioka (No!?)

Uvira seine hauls  
going after Limnocardina



Guramba Park

(3)

- (28)  
(29)  
(30) } Apr 30 Animals various, and white rhino  
on road to Nioka  
Monkeys-birds-people after termites to eat.  
Collected in small stream

(32)  
(33) May 1 Nioka hot water for bath & shave

(34) May 2 Nioka Res. Station native village before at

(35) May 3 Kasenyi Fisheries seining in lake shrimp.  
Looking over Ruindi plain, rift valley  
maribou storks

May 2 Bunia Hotel, rain - rainbow, ~~hot~~ Spanish style pavilions

(36) May 2 Bunia Market, old fashioned social gathering  
Ubangi cranes | morphological than  
Leo. market, more primitive.

? May 3 Mt. Hoyo, Bat caves local King Solomon's mines  
Flowers Guest houses view, water fall  
May 4 Unique place - giant tree - army ants.

(37) Mutwanga - glorious <sup>May 4</sup> sunset through trees  
stream by hotel = swimming pool  
truck by guest house  
May 4 4hrs from Hoyo  
May 5

(38) May 6 Ishango (Albert Park) animals hippos best.  
(39) May 6 storks & pelican line & hippo May 6  
(41) May 6 Elephants

(40) May 6 Ishango fishery, net making nylon. Fish on docks.  
have developed lake fisheries.



Ishango, Mutwanga to Beni <sup>3 hrs drive</sup>

(4)

(42) May 7 Arr. Beni in rain

(43) May 8 Pygmy village  
houses  
candy

~~hard dance~~ <sup>sound</sup>  
~~breathing~~ - Women's dance  
elephant dance, with large spear.

(44)

May 8 Picha leper colony

(44) <sup>at</sup>

May 9 Butembo 11:30 a.m.  
main street in rain

Guest houses  
Flowers,  
Birds eye view  
Native village

> Lunch among the tree ferns

View across valley, rift valley great game  
plains  
2:50 - 2:55 p.m.

(45)

(46)

(47)

(48)

(49)

May 10 Rwindi Camp

one elephant  
pelicans swim, past hippos.  
elephant herd passing  
through trees.  
water bucks, buffalo herd.  
running off.  
hyena, wart hog.  
impala.  
monkeys running

huts houses - mess hall.

(50)

May 11

Hot springs \*

stop at Rumangubo

{ Did we get  
"soldiers" drilling  
guides }

(51) ?

? Lake Vert (Green lake)

? Lava flows May 13

53 Lava flow

8:00 a.m.

Stop at 53 Lava flow  
approaching Guma



(51) ~~Nov 11~~ Kisenyi - Goma - Bugoyi Guest House, (5)

54 } pt. Goma — head of navigation on Lake Kivu  
55 }

55

52  
53

May 12<sup>a.m.</sup> hratusi dancers (have sound)

53

(54) } Pt. 13 Lava flows of '38-'48  
(55) } Not B. Low - 1 mile

55

Bukavu=Lwiro

⑤6 ~~May~~<sup>15</sup> Chapin and pygmies making fire

595959

59

May 15  
May 16 Pt. Chapin and bird falls

591

61

May 16 (May 15)  
Mites Lwiro + Mulungu

pd. 59, 60, 61, 62.

## Mite sequence



64

1. " ? Mulungu  
May 17-18


5



May 19 Mulungu - Bukavu } views & roadside scenes  
Bukavu Azrida }  
Watusi at Church.

Bukharu Azbida

Watusi at Ohurch.



May 21 Astrida, -kratesi women  
+ ? 22'd

~~to May 21~~ + ? 22'd



Alt 4776  
~~Kisenyi Bugoye Guest House~~



# Uvira - Lake Tanganyika

68

Some scenes on road to Uvira,

69

Laboratory

70

Dredge boat.

71

Afternoon down lake shore.

72

73

May 22

Sunday morning seine haul.

{ Also some cultivated fields May 22  
terraces ala Incas over many hills.  
Auto caravan on road

74

May 23

Azrida to Gubiro

75

Lake Mohasi

"Swiss" landscape en rd to Nyanza

5:35 p.m.

Autos on road.

## Kagera Park

76

77

78

79

80

May 24

hippos - zebras - impalas, water bucks.  
Lunch stop. Crocodile nest site  
hippo pool.

odd pods from tree.

#? protection of huts against animals.

thought  
this was  
just Ishango



Congo Exped. Apr. May 1955 Monte reels <sup>1</sup>  
Brussels reid by Van St. reels

(1x) Going over Exped plans with Dr. Victor van  
Apr. 7. { Straelen, director Inst. Royal Sciences Natural-  
les, and president Inst. Parcs Nationaux,  
Baker, Schmitt, van Straelen, maps.

Leopoldville

(4) (3) New and old in Leopoldville  
Apr. 16 April 15 250,000 natives,

pt. (1) Apr. 13 The catacombs & ref. to Stanley pool  
and history it represents.

G. to Brazzaville

(1) River crossing, ferry, far shore  
(2) customs & vegetation (like S.A.)  
Apr. 13 drifting, vegetation down river?

(5) Return to Palace Hotel porches open dining  
Apr. 15-17 room no flies, mosquitoes or vermin.  
no screens!

Relative size of Congo.

Put map here  
everybody else  
puts it first.

(5) Glimpse of river steamers.  
Apr. 15-16

(5) + (13) Air to Stanleyville, air views of river  
(6) Coquilhatville air port  
Apr. 17 Lunch at Libenge, stop at Lisala.



# Stanleyville

(2)

- (6) Apr. 18 Age old Wagonia fisheries prosecuted to day as ~~white~~ white man; no nails wire or rope, gear all forest products
- (7) do
- (8) Piling, nets, knots. Women and children washing and playing. We have Wagonia sunset While men are at work fishing and repairing.

(13) Apr. 22 Pastime Canoe Races (Sound?)

(10) "Matubish" crowding & pay off.

(10) "Women keep home fires burning  
= did with hot pot. =

Sorcerers with doctors, chiefs Oscar said.

(11) Str. Arrives (8) Apr. 22  
(12) Accommodations at Stanleyville  
pt. 8 + town + street scenes.  
pt. 8 str. arrives Apr. 22

(14)(15)(16) Apr. 23/25 Yangambi Research Sta. Agricultural  
(13) Bus Congo ferry going (What about coming home?)  
sunset (15) largest tree (15)  
auto repair (17)

(17)(18)(19) On road to Paulis, collecting (Nia Nia)  
(20) Apr. 26 villages, roadside musician (20) (Sound)  
Apr. 27

(21)(22)(23) Apr. 28 Mangbet dances, formerly war dance now social, men, women, young & old

(24)(25) Apr. 29 Palm oil, huts, goats, skinning animal.

(26)(27) Apr. 29/30 Gangala-na-Bodio elephant training sta.

(31)(30) Apr. 30 "retreat" drill. Same animals & bathing elephants young (sound)



The Neur  
<sup>Edwardian</sup>  
E.E. Evans-Pritchard

Oxford 1940

over the see also pp. 40-41  
p. 123 1st para.  
'Opposition to their neighbors gives'  
thema consciousness of kind and  
a strong sentiment of exclusiveness

..... 'Their feeling of superiority and  
precontempt they show for all foreigners  
and their readiness to fight them are  
a common bond of communion,  
and their common tongue and values  
permit ready inter communication.  
pp. 136 - 137.

pp. 192 - 193 The Lineage System

p. 260. "Initiation rites more  
than anything <sup>save</sup> ~~else~~ language distinguish  
Neur culture and give Neur that sense  
of superiority which is so conspicuous a  
trait of their character"



8123.

"New people see themselves  
as a unique community  
and their culture as a unique  
culture"

[Close economy, some hard  
ship and privation, build a  
sturdy, honest, upstanding,  
cooperative people

Too easy a life, shiftless  
unthrifty, double talking and <sup>service</sup> <sup>boas</sup>  
double dealing (your glibness, get  
you ahead) not your intrinsic  
worth and integrity <sup>all bootlicking, with</sup>  
<sup>lack of trouble</sup>  
<sup>making.</sup>



The Anglo Egyptian Sudan  
edit by Count Gleichen  
London 1905 2 vols

Vol. 1. p. 20 + 21.

The Sudd; Fuel; Nue ✓  
Climate etc very good.

Get again



# Africa Speaks

Paul L. Huetflier.

Ush. E. Winston Co. Phila. <sup>1931</sup>1931

---

p. 310 white rhinoceroses

p. 329 pygmies of the

Ituri Forest

[notes on family life]

p. 353 Heart of the Congo

is mostly about French

Congo; some words about  
Belgian



# In the Horrid Sudan

H. Lincoln Tangye

Boston, Richard G. Badger

The Gorham Press

1910

pp. 119

p. 135 Tomorrow (<sup>Spanish</sup> ~~Almanaca~~)  
→ Bukra Mangwana

p. 155 Fish spear shaft is  
bent by a cord.

[? to make up for retraction?

p. 182 live like animals <sup>explains</sup> African life

pp. 208

pp. 230-231

pp. 240-241

pp. 278-279



Seligman, Pagan Tribes of the Nilotic Sudan.

Sudan vast country about a million <sup>miles</sup> square  
northern and central provinces easy of access and  
fairly well known and partly Arab by race.  
but further south in provinces of Bahr el Ghazal,  
Mongalla, and the Upper Nile in the hilly mts &  
southern half of Shung Province the indigenous  
population is pagan. in some parts mts  
are honeycombed with  
caves.

impenetrable marshes  
or dense forests.

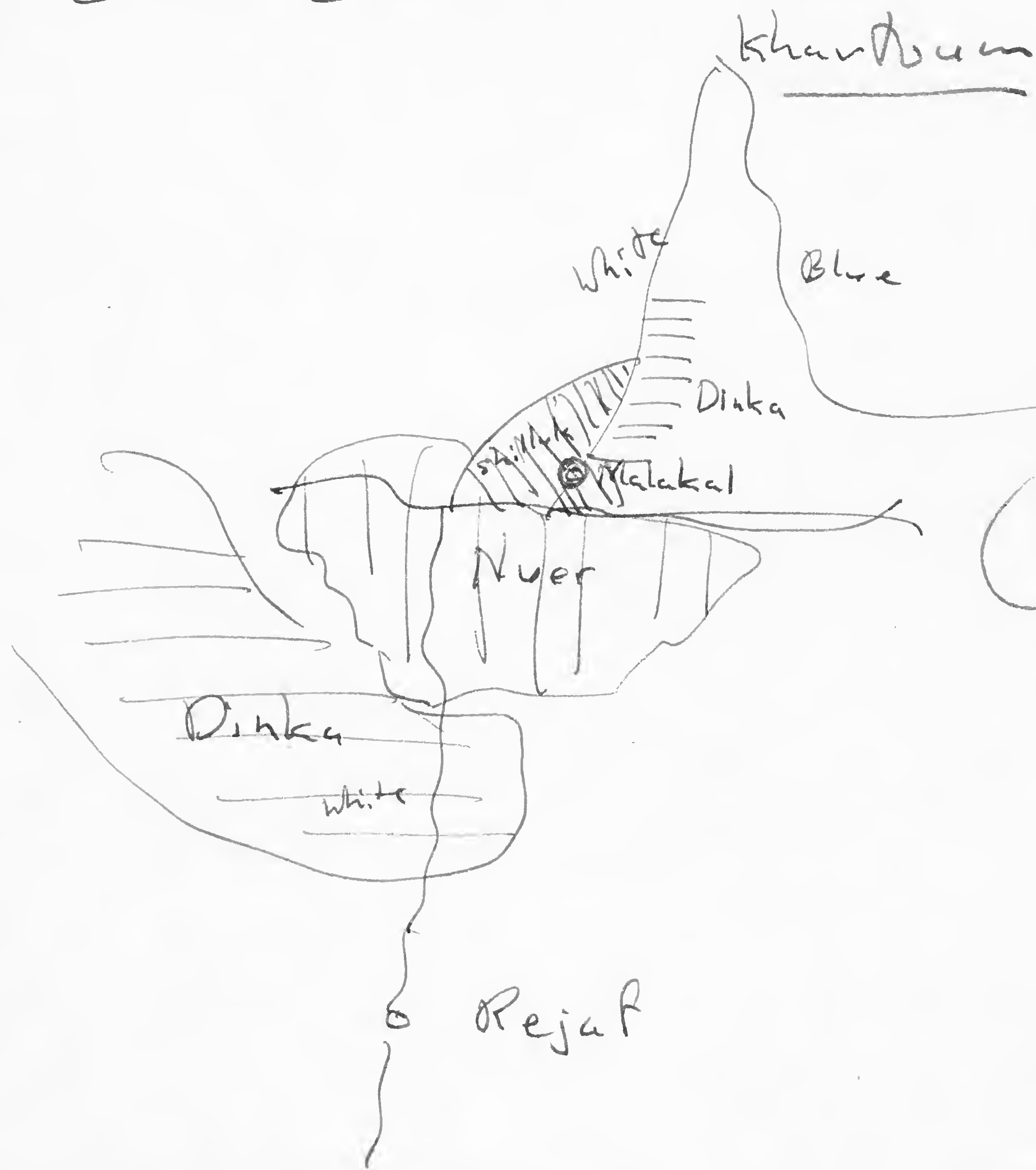
dolichocephals  
mesocephals





Mohammed Ali conquered the Sudan in Egypt  
 in first quarter of 19th century. <sup>that western civilization</sup> and came into  
 fifty years later during period with the hill negroes.  
 of great explorers Speke, Grant, Marnor  
 that any <sup>reliable</sup> real knowledge of the character of the  
 various tribes has produced, & of areas occupied.  
 Further progress has stopped with rise of the Mahdi.  
 not till 1900 after reconquest of Sudan that  
 investigation became possible.

Without understanding religious beliefs can't  
 understand tribe (no aspect of tribal life can be understood)



segregationists  
 the blacks in  
 Africa are



dolichocephals ① The Nilotes Shilluk, Nuer and Dinka.  
live + move + have their being in an atmosphere of  
cattle. (from east of great lakes)

② Nilo-Hamites, such as the true Bari,  
various Lotuko speaking tribes

mesaticophals are Fung-Nuba peoples on one hand.  
and on the other the South western group  
of which the Azande are best known.

Sudan about a million square miles, 1200 miles from N. to South. <sup>14 provinces</sup>

2 great divisions northern Muhammadan & a southern Pagan.  
but nowhere clearly defined.

Area. dealt with Nile basin south of 12 N. to Uganda border.

Great plain.

Nile which flows at 1,230 ft above sea at Khartoum is only  
38 feet higher at its junction with Bahr el Ghazal (Lake No)

135 " " at Bor and but 1,499 feet at Gondokoro  
1,100 miles to south.

Hence the vast region of sudd south of Lake No

and the persistence of high grass and swamp scenery

True negro represent one of the primitive African stocks.

tall dark <sup>brown</sup> skin verging on black, woolly hair.  
moderate dolichocephaly, broad nose etc.

but only in limited numbers if at all in Nile where so many  
present evidence of Hamitic admixture <sup>drainage basin of</sup>

Yet strangely enough these mixed tribes exhibit darkest  
skins + tallest stature despite moderate stature of  
most Hamites

Hamites long headed

Asiatic medium height.

Arabic

coppery red brown, or yellowish skin.

hair generally wavy or frizzy, never woolly

Hamites in successive waves pastoral people.

Stature greater than either agricultural negro.

parent stock is one of results of mixing of Negro & Hamite.



Schweinfurth Munza, The Mangbette kings

Magic p. 25

The Shilluk, narrow fringe on west bank  
from Kaka in N. to within 30 miles  
of Lake No in south.

From Kodok to Jaufikia Shilluk occupy  
East bank of Nile to 35 miles up Sobat.  
Flat grass country. dry in dry season  
swampy in wet.  
Cattle principal wealth.

Fergusson p. 184  
Dinka  
1927 Nuer killed  
Fergusson

40,000 in 1903. 12,000 head cattle. 64,000 sheep & goats  
Shilluk poorer than Dinka in cattle.  
small series of hamlets. few homesteads.  
huts with fence of millet stalks.

Dinka at Bor  
Shambe

Country largely swamp in  
wet season, hard-fissured  
clay soil in dry

runs to forest

Until recently Dinka  
smelted iron they required

Nuer inhabit swamp region either side of Nile.

Bari. south of Dinka country  
Near Rejaf



Apr 17. Thurs.

Thurs

to Royal Inst. (Museum)

Had lunch with  
Capart &  
Mollusk man

Baker saw Dr. Jean Cooreman

I saw Capart and we all

→ went through new Museum Building.

interested in beetle  
mites  
mites assoc. with  
beetles

Bacteria food for  
copepods

Have we run Ernest 1925 coll diatoms in wash.  
Ernst

Apr. 7. Lv. Brussels for Leopoldville.

Apr. 8<sup>Fri</sup> Flight 501

woke us up at 5 a.m. (75° Temp. in Kano)

Friday Kano, Nigeria (5424 miles from N.Y.)

Stewardess said when asked how hot  
"Hot, hot"

Fri.

Apr 8/Arr.

Over equator, champagne

Leo. at about

11:00  
a.m.

has due

10:30

arr. Hotel @ 12:30

Ar. 11 a.m.

Bob Yost met us at airport

were due @ 10:30 sunny bright day.

at 12 to hotel for lunch.

12:30 - It cleaned

up, lunch till 2

McGregor duffe at 2  
got there 2:15 stay  
till 4:30

Most of afternoon

2:15 to 4:30

with Mc Gregor

to Palace Hotel @ 12:30

Sunny bright day



Apr. 9 Saturday  
Dock all morning, with Yost to  
get air shipment out of customs.  
Had to dig out guns <sup>but</sup> and only had to  
turnish list of cameras, by number  
should be on original list.

@ Customs

1/2 day light rain

Sat. nite: Dinner <sup>+ cocktails</sup> at Mc Gregors

Apr. 10 Sun Cloudy, hazy warm 11:30 = 82°  
Unpacked in hotel room. High about 84°  
Sun  
unpacked Asst. to Ferdinand de Bock Botanic Garden.

Flight  
501 10:30 a.m. late getting in  
Sextons arrived. hottest day yet!!!  
were also late

Apr. 11 Monday Hottest day yet. 96° in shade at 4 p.m.  
5:30 - 6:00 most beautiful sunset  
88 in hotel room.

Saw Sabena re Stanleyville air shipment. because boat freight  
would not arrive till 20th

Sextons arrived hottest yet

After supper,  
about last After 7 p.m. to Arab market. big head of yesterday,  
off plane bought drummer + figurines. hus gone  
began to think  
they'd missed it  
Got home just before very heavy tropical  
heaviest seen in years.



Apr. 12 Tuesday drizzly rain off and on most of day.  
Tues (80° in room last night)  
evening remarkably balmy.

Sexton spent hours listing nos. of camera & lenses.

Most of <sup>a.m.</sup> morning at Consulate, till 12:15 or so. <sup>talking over plans</sup>  
but met consulate girl in bank who took  
us out.

Sexton did  
not have  
Sudan  
Visa  
so Consul  
had to  
arrange

Then took me to Farrel line agent.  
Miss Levin

After supper to Arab market.

# bought 3 face masks (for Bredin)

That <sup>early</sup> evening, to Cen Warren to talk to <sup>haller</sup>



Apr. 13  
Wed

Lv. 8 a.m.

For Brazzaville <sup>cross river in 20 mins ± islands of Stanley Pool.</sup> 1/2 day tour

Standard must for all tourists.  
numerous ferries

Approach to other side reminiscent of Guayaquil, Guayas River crossing, Baobab (Kopok tree) natives; dusty color + sunshine  
Older hotels with wide porches.

<sup>tropic</sup> Vegetation + all

Natives less hurried  
Physique of overworked underfed blacks is remarkable

Scattered trees against a back drop of low hills.  
(?) in much same latitude of Guayaquil.

only diff in building, "skyscrapers" here  
Native with shirt of holes at cataract, wanted give him mine.  
Saw cathedral Congo Boat man's song  
Had beer in restaurant by landing.

Back to hotel for lunch.

Wild water at cataracts

After Hiked all over town for ducks.

The various names used for them.

Congo Boatman's song

Cathedral (Church of unique design)  
Saint Anne's  
Stadium for soccer

Afternoon in Ferdinand de Bock Park.



SMITHSONIAN INSTITUTION  
UNITED STATES NATIONAL MUSEUM  
WASHINGTON 25, D. C.

Dear Mrs Carlisle, It is high time  
that I acknowledge your good letter  
of now, weeks ago. This is about my  
first chance to do so.

How wonderful that  
you still have the original negative and  
prints. Too bad you were put to the  
trouble. Dr. Dohrn, I understood  
was just asking if it would be al-  
right with you folks if I were to  
republish your very fine photographs  
of the dromids you studied. He had  
the original plate of eight photos  
which you must have mounted, and  
even offered the electrotypes from  
which the published plate was printed.  
The mounted photo's we had copied  
here, and got remarkably fine  
results.

I thank you for being  
so willing to let me make use of  
them. I wish that I could be sure



that the publisher, the Univ. of Michigan  
Press will use them. It so happens  
that I turned in more illustrations  
and text than they feel they can use.  
I have not yet seen what trimmings  
they have done. He edited ms  
was promised this month but has  
not yet arrived.



Apr. 14 Thursday must have been  $96^{\circ}$   
~~notes~~ since sex has arr.  
Visited Geol. Survey Dr. Corin  
and Princess Astrida Med. Research Lab.  
Dr. Evens Have about \$300,000/yr.  
Wonderful places; and equipment.  
no stint of instruments.  
with all accessories

Geol. Lab. Dr. Corin gave me map. showing 32, 48, 53  
(flows)

Had to rush back to hotel from med. lab + geol  
for few minutes wash up.

Lunch at American Club. The three of us  
in Zoo restaurant. gave fulls

Robert L. Yost

Dinner at Yosts

Mr + Mrs Morrison  
mission fulls from Kasai  
country

Lynham <sup>Eng.</sup> tobacco  
dealer



Apr. 15 Friday

rain 1st half day

Woke up to rain on porch; in a.m. light drizzle (or mist) but does not interfere with work or getting around. But during night Sexton says heaviest he ever heard. (Did not wake me tho).

Rained 1st half day

Sexton's and Baker ± all day tour of town

Tour of town for most of day.

Sexton's went to <sup>Native</sup> market to photo.

Baker who stalled around & said he would not go; rushed off at last minute

I was left alone to get shipment right for air lift to Stanleyville <sup>Sweating fiber cases into crates</sup>

~~Spent 1st half day in airport with Yost & LeClerc getting air shipment thru customs~~

"General Ermené" sports center

Native quarter (City Indigene) 250,000 natives.

Book one crate for shipment home to Halle at Cenwarren (Arr. Wash August)  
Took Apr. 15 to mid August. 4 mos.



Apr. 16. Saturday

First half day <sup>with Yost + Le Clerc.</sup> getting air shipment  
off and customs at airport.

— Took Yost (rather he drove <sup>me</sup>) by to meet  
Walker at Cenwarren

Sextons spent most of day with  
Barrah (P.A.A.) to Falls <sup>again</sup> and  
went back to Country Club.  
+ swim pool.



Apr. 17 Sunday

Flight to Stanleyville

most typical of all  
Congo towns.

This a.m. up at 4 a.m. at airport at 5; off at 6 a.m.

was just about pitch dark on leaving then  
got suddenly ~~as~~ light, as it gets dark evenings

6:15 passed "cathedral" rocks

7:00 over Lac Tumba

Roads through vast  
open spaces (clearings -  
fields) dead end in skin-  
ned off areas, w. horse  
or cow. rectangular  
areas for villages  
along roads  
cultivated  
patches

Coguilhatville 8:15-8:45

was remarkably cool

while here short squat U.A.T. bullet shaped  
plane came in with 40-50 people aboard  
basket ball team, - all white group.  
2 priests white robed got off here

Miles and miles of forest and swampy  
areas stretching in all directions  
widely scattered villages, isolated house  
or two.

River like Amazon, lush green islands every  
where dividing river into numerous channels.

6-40.m. Before and after Coguilhatville huge red  
mud banks - river and forests

Libenge lunch stop. 10:30 - 11:15

Lisala

12:45 - 13:05

Arr Stanleyville

4:00 p.m.

TB Sabena  
guest house

Here Thornton met us at air port sat up  
till near midnight talking over plans; he urged  
us to drop Ponthierville etc. (dropped watch on tile floor) met Oscar // first time



Wagenia Fisheries near 7<sup>th</sup> Cataract + Arabized  
Apr. 18 Mon ran around shopping,  
alcohol, <sup>drive</sup> <sup>coffee for sex</sup> etc.

Had breakfast with Thornton + Oscar at 7<sup>00</sup>  
talked over A.M.I. and car there  
which we did not get.

Saw governor in a.m. The group of us  
got 4x5 photo

⇒ Wagenia Fisheries bet. 3 + 4 p.m.  
when they are most active. ~~get~~  
before getting there multitude of  
Canoe dwellers (got some specimens)

Wagenia Fisheries (Boy missed phone call and so sat around near  
Apr. 19 Tues ~~Back to~~ 3 days worrying + waiting and doing nothing  
for or about expedition

~~Tshoppo~~ a.m. To gorge that was Tshoppo  
Falls are putting in hydroelectric plant as  
so Falls were more or less dry, got couple  
of crabs  
On way passed roadside artist  
Down to docks at 19 a.m. at 9 back to  
hotel.

Hot and sunny day got specimens

⊗ → Went back to Wagenia Fisheries  
Hot day, but men were ~~not~~ repairing ~~nets~~ <sup>and</sup>  
improving traps. <sup>tying</sup> ~~splitting~~ vines to gather for  
ropes, hauling beams, pointing stakes + piling.

After 5<sup>30</sup> p.m. Went back to Fisheries  
to see nets being lifted. Got Flashlight pictures  
Every thing is natural material



Hugenig Fisheries

Went by to get "village" street scenes

Apr. 20

Wed.

Boat with boxes due

All Forenoon at Hugenig Fisheries 78° in room at night

Str from Leepsville came in this day a.m. Then went fisheries for street scenes and medicine men also before lunch

Boat with boxes in

But could not wait for unloading

Men work till pitch dark. (Got more specimens)  
Lift nets sometimes man has to go under water to release line holding <sup>bottom edge</sup> down.  
Also climb into nets to throw out debris and to recover fish. get quite large fish and medium sized small ones go through

Our ship came in the river There are several "guy" ropes to each net and so can be variously <sup>and adjusted</sup> oriented.

Children brought me lot of frogs, + 3 large crabs

Fishery is ages old, before coming of white man and still uses only natural material from jungle.

wooden "braces" of piling from our point of view were all in wrong direction with flow of water instead of against it. But <sup>innumerable</sup> guy lines in every direction hold every thing tight.

While men are improving weirs + nets women are washing dishes (pots + pans) and clothing, bathing and using hoop net for fish. along shore. Else where along the shore

Hugenians crack rocks + dig sand for sale in town Thoroughly industrious people

Get fire side picture Mabiche (give to me)

smaller fish



Apr. 21 Thursday

Forenoon at customs, + all aft.  
Air out

Getting boxes to ~~load~~ in the truck.  
and in pt arranged & unstowed

Unpacked and at film

over hauled specimens  
from Falls + Hagerdon

Baker worked in his  
notes



Apr. 22 Friday

Roy and Buddy took sound  
and movies of canoes in rapids

Day of  
Pearl Train

Packed up <sup>so as to be able</sup> to leave ~~for~~ <sup>after going to</sup> Langambi  
moved <sup>boxes</sup> gear into Sabena storage  
photo-gear + extra suitcases into  
Oscars room.

---

Apr. 21

Customs all day  
Forenoon + afternoon  
letters most of night

---



Apr. 23 Saturday at Yangambi

Lv. For Yangambi 8:20 a.m. } Kl. 32620  
Stopped by bank.

got off on ferry } 9:15  
at Stanleyville } 3 hr. run  
12:15 at sta.?

diff = 196.3 kl  
= 121.7 mi.

Ar. Yangambi for lunch

Kl. 32758.7

32758.7

Drum at  
132671  
on rack

? 121 miles  
1699 kl. ?

Met by J. Fraselle, gave us briefing  
after lunch took us to labs, and elsewhere in <sup>h.r.</sup> <sup>ear.</sup>  
Soil ecologist Dr. M. E. Malaguer { has trouble get-  
ting soil mites  
identified  
Entomologist Dr. J. E. Decelle, has ~~no~~ mite  
problems, except in green house coffee plants  
but these were sprayed shortly before our arrival  
Saw entomological collections took pictures, beetles, spiders.  
Bird that distribute seeds.

Wonderful location = equal to Mt Vernon  
on big bend in river

Substantial adequate buildings, extensive experimental  
gardens, animal husbandry, domesticated buffalo.  
Hospital for natives <sup>Dr</sup> de Smet



Apr. 24 Sunday at Yangambi

Called on rice director Dr. A. van Daile (Darle?)  
at his home, pet birds in cage. Beer

Went to hydrobiological station, saw  
fish collection, pond culture  
Albino native in stream  
Giant tree, botanical collection.

Lichens.  
shelf fungus  
soil samples

Coffee, rubber, oil palms  
Bird coll., plants, mammals.



Apr. 25 Monday ⊗ Return to Stanleyville

Came from Yangambi.  $2\frac{1}{2}$  hr. run

Had to make ferry before 12 noon  
shuts down bet 12 and 2.

Half way back to town found ~~little~~ "myriopods" in road, near sides of road  
very many running back and forth, yet not  
too crowded.

Back to Sabena guest house about 12 noon.

Pink clouds in clearing sky at daybreak.

Tried early start but Roy's "die" (butterfly) held us up  
de Smet's practical joke got away about 9 a.m.

---

Went shopping in afternoon for supplies  
paint and brushes. (for sign <sup>canvases</sup> on side of truck)

Moved things from storage into truck

Very warm (? frightfully hot day)

---

⊗ Look Wageria sunset with Buddy.



Apr. 26 Tuesday

Start auto trip.

Lv. Stanleyville

9 a.m. (after bank & other errands)

"Stanleyville to  
Nia-Nia  
200 mile run"

Can do 70 kl. per hr.

Kl. 51970

"Lunch at Km 229  
"5 hrs before lunch"  
"2 hrs in afternoon"

Rd. red ribbon of adventure through  
of green "canyon" walls.

coll. at  
Batwasende bridge  
river do a deep  
and swift  
collecting.

few shrimps

got a crab little before

(just past 186 km.)

soil sample

(156 km from Stanley)

shrimp

146 = 95.72  
156 = 97 mi

Kl 52126

Before Plantation de Batuma native  
with three little deer they'd chased  
in net.

not all beer  
and skittles  
efficient native  
help

Shrimp at

10 km (= 6 1/3 miles) before Batwasende bridge

Stop at repair shop.

welded a shock absorber.

spent 1 hr. here.

3:30 - 2:30

shrimp

52205

52215

Kl. 52215

30 = 18.64  
mi

52245

52328

Arr. Nia Nia

late for supper here. kl. 52328

collected 2-3 x en route

ruin bet. 5:00 + 5:30 a.m.

Bats under eaves of  
shelter

flying about  
lights we were  
afraid  
to shoot around hotel

Roy and Oscar

Roy had turned in

When man demanded room?

refused to move?

Went for drinking water for canteen

a water tap basin bet. kitchen & dining room

(running water + spigot) every body was

horrified insisted I take boiled & filtered water.

even so I used tablets.



Nia-Nia / Apr. 27 wed Lv. Nia-Nia 8:15 a.m. slight misty rain. Kl. 52328  
to Paulis 200 miles 5 hrs  
lunch in Paulis. Service cars  
Four snails from hotel grounds  
@ 9.50 a.m. 19.8 km from hotel. got shrimp + fish, few insects and 1-2 shells.  
~~52349~~  
= 52344

arr. Wamba. Territorial capital  
We lunched in Wamba  
Lv. " 12:30 p.m. 111 = 68.97 mi  
Lv. 2:00 p.m. Kl. 52439 plus 12.477 = 20 km = 52459

Coll = Natives husk of the soil oke =

20 km (?) to Obe Plantation and shrimp fishery.

Coll. 2x on road.

Calif. like climate and scenery

Coll = 35 km from Wamba got number small fish caught 2 large ones

Plantation Obe + " " 20 km. from Wamba

Obe 52 miles from Paulis.

Bridge. is just 1/2 mile before

Sign on Bridge Territoire Secondary de Manghedu.

Paulis 33 Wamba 111  
Paulis Wamba 141

52410

522/88

Arr. Paulis 5:50 p.m. Klm. 52571

Hotel Pontinière

Nice Continental European style place  
(almost German in some ways.)

Calif. like climate and scenery

Nia-Nia

Wamba to Niangara 135 miles

Nia-Nia to Paulis 165 miles (I have 243 km. 151 miles)

used 160 fig.



Apr. 28 Thursday in Paulis and to Niangara.

Mangbetu dance Paulis 10:10 am.

all over at 11.

young and old enjoy it to utmost  
though staged for pay (3,000 francs)  
bought curios in gov't run shop.

Necklace to princess

ran about 2 of kls  
= 14.91 mi

Lx. Paulis. 1:30 p.m.

bought road from boy just before leaving.

52595

"4 hrs. run to  
Niangara"  
Did it in 3.

135

Palm (oil) nut buyers loading  
truck along side of road.  
(photo taken in p.m.)

52635

40W = 29.85

40  
31  
29  
33  
157

Bridge before sign marked

"Territoire Niangara."

52666

31 = 19,26 mi

@ 3:05 p.m. natives with little  
round hats, some with feather inside  
of hat, [African Tyrolean style]

Portuguese  
Barracks

Little round conical roofed houses  
straw, rather than thatch roofed

52695

29 = 18.01

Arr. Niangara 4:30 p.m.

Terrific storm this night  
Oscar & Roy slept at Mission

52752

57 = 35.42 mi



Apr. 29 Friday

several runs to mission yesterday  
actually got away today  
7:00 or 7:40 back

Lv. Niangara 6:30 a.m.

52764

186 km  
Niangara to  
Gangala  
I have 179

after breakfast Oscar Roy had

Slept at mission.

men have bark cloth (ballarinas skirt)  
women Nek bwe

come to Mangbetsu  
region long heads

12 = 74

skinned animal

Huilerie "Mbengu"

forenoon

Michael P Michaelides  
Huilerie "Mbengu"  
D.S.P. Paulis

rhymic song while shovelling in nuts.

Soil samples #43

#38 dip #45 heeded from stream  
near Huilerie Mbengu.

86 km from  
Gangala.

Dungu. Soil sample #45  
Territorial capital.

red Acacia in flower.

(Governors Bldg as described.)  
medieval

52857

93 km =  
57.78 m

Thorn says  
a 2 hrs, run 160 miles  
Niangara to Gangala  
I make it 110 miles

86  
52  
12  
69  
2  
81

Arr. Gangala-na-Bodio 11:20 a.m.

52943

#99 crabs  
from Gangala

Gangala sign (reads in "Heart of Africa")

Bought food at Cantina.

86 = 53.44 m

Elephant training center!

Bath & elephant song (have recording)

Have "pet" male giraffe female killed by leopard.

"zebra, water buck

Cow gored by Buffalo.

(said & elephant would not plow unless extra male  
stood by.)  
haul wagons.



Apr. 30 Saturday At 2 a.m. doors banging high wind & rain  
thunder; sheet lightning

terrible  
down  
pour

Got up at 4 a.m. to  
4:40 a.m. made start for Garamba Park.

Truck, jeep  
in Park.

0 8236

0 8199 (9:15 a.m.)

= 37 kl.

= 22.94 miles

52 kl. (32 miles <sup>to Park</sup> from Guala kl. 53948)

did 35 <sup>to 36</sup> km park = 21-22 miles

5 kl = 3.10

90 feet  
Rhino  
8m 4 feet

Had lunch at Mischa's (Mr & Mrs and baby)

Left Mischa's at 2:45 p.m.

Crossed river Aro at  
? Aro or Aro?

54035

87 = 54.06

2nd ferry in  
Garamba Park  
= Garamba River

Photod elephants  
second time  
(earlier today)



May 1.

Sunday

Fixed

First flat at 3:30

P.M.

Goto - Nioka Rd. @ 3:15

P.M.

This is where got shrimp in seine

Photo'd kids on road

Passing auto helped us to Scull. gas.   
 (to await truck from way behind)   
 have photo of rear end bit with trunk tied up.

Actual Start 5:15 a.m.

Kl. 53078

L.V.

Gungula

4 a.m. for Nioka

300 miles haul

had coffee to start

in here from bot. 0.95

Rain all afternoon and night this day May 1.

Termites

@ 9:30 stopped for brunch.

Worked small stream here.

Km. 53459

saved specimens

"300 miles Gungula to Nioka" approximately

80 km also from Nioka hit squirrel

before Nioka some haul small stream.

on Faradje Nioka Rd.

Country like Luray hills.

Winding mt. narrow red roads

Mine check sh. 53230

Gungula near Sudan great level plain high grass covered with 6 to 8 ft grass

Monkeys

Birds

People in road

eating termites.

45 kilometers from Nioka.

soil samples + desk kid pictures

53078

45

53123

53539

53539

45

80

53494

53459

Arr. Nioka Km. 53539 ±



Check Stu to mining center  
Intermittent rains

53230



May 2 Monday Start 9:20 (70° Nioka hotel in room this a.m.) Kl. 53539

Lv. Nioka via Nizi and Bunga for Bunia

"2 hrs run" to Bunia.

for INEAC. Stn.

Stopped photo his native villase & got soil sample

Nioka to Bunia approx. 75 miles

Photo'd crane in yd. vet. station.

at Experimental garden

Lv. ~~Nioka~~ I.N.E.A.C. at 1:55 for Bunia

soil sample

53599

Kl. ~~53599~~

reached Djugu @ 2:40 p.m.

Nioka to Bunia  
191 miles includes side trip.  
Bunia Djugu 15 1/2 miles.

3:30 p.m. <sup>saw</sup> 3 long overcoats on road.

3:40 passed Masumbuku.

3:45 steep climb.

4:05 no end Casuarina groves

rd like tunnel through trees. Kl. 53700

4:15 rounded hills like Salinas Calif.

Sharp turns in road.

4:30 Eucalyptus

too many trees in lower valley slopes

crossed (4:40 Riv. NGEZI.)

Country side like Italian Riviera

11 Kl. more to Bunia Kl. 53725

Heavy rain beautiful rainbow at Bunia.

Arr. Hotel Bunia Palace at 5:00 p.m. (cf 4:46 above)

Snails from pack yd. this day on 3d.



May 3 Tuesday  
a 1 hr. run" Start for Kasenyi on Lac Albert  
Lv. Bunia for Kasenyi @ 7:24 a.m. Kl. 53745

Rainy & cloudy ~~at~~ bet 10:20 + 11:00  
heavy rains all night.

pickled fish  
in rain  
in shed & rocks

Temp in porch 6 a.m. = 67°  
at least 65° last night.  
Bunia to Kasenyi approx 40 miles

? Distance to  
Kasenyi and  
return 101 kl. = 63 miles

"could stay till 2 p.m.  
at Kasenyi".

soil is  
sandy  
on my back

Kasenyi  
Start one way rd 8:02 a.m. Kl. 53775  
Got lot of fish. (rain 1/2 day there; pickled fish in rain under open shed)

at Kl. 53881? 12:38  
had come to Kl. from fish  
village.

→ 53801?

Fish camp.  
= [53795]

Back at Bunia <sup>Palace</sup> Hotel for lunch. 2:20? → 53846

~~Lv. at 2:20 p.m.?~~  
~~2:20?~~  
? at 3:30 p.m. Kl. 53893

"3 hrs drive to  
Mt. Hoyo"

Bogoro to Mt Hoyo  
Via Irumu approx 100 miles

Ar. Mt. Hoyo 6:30 p.m. Kl. 53962

visited that evening. have flashlight photo.  
Bat caves near by  
Army ants, giant tree.

Bahema & Walendu semi shepards  
beehive huts near Euphorbia trees  
by huge gray rocks



May 4 Wednesday

Saw large bat caves (visit 200 hrs)  
got specimen & 1 crab.

Saw water full <sup>in puddle inside</sup> got few shrimp.  
from pool.

Pictures

Lv. Mont Hoyo 4:00 p.m. K1. 53970

passed Eringeti village. 5:40

" 4 hrs

Mt Hoyo

to Muthanga

just about right

" Mt Hoyo ~~via~~  
to Muthanga  
approx 120 miles

4 hrs drive from Mt  
Hoyo

Ar. Muthanga

7:45 - 8 p.m. 54148

(wonderful sunset thru trees)  
on way to Muthanga



At Mutwanga  
May 5 Thurs brief drizzle at 9 p.m.  
labelled & repacked stuff.

little baby  
pygmy bell  
nut shell  
bone clappers

Called on game warden  
just before lunch in rain

at Mutsera

arranged to meet guide served drinks; beer & rum &

Lv. Mutwanga

@ 6.45 a.m.

Kint

readin. a.m.

speedometer

@ 8:20 a.m. K1. 54148.9

54148

Repacked gear. smashed middle of  
finger brown stripe on nail  
to this day 8/29/55 still 3/16 in.  
from end of nail



May 6 Friday

early morning drive along northern  
sector of Albert Nat'l Park.

Lv Mutmunga for Ishango

(2 hrs drive)

up at 5 a.m. 5<sup>30</sup> breakfast lv. @ 6:45 a.m. Kl. 54165

"Mutmunga  
to Ishango  
2 hrs. drive"

7:55 a.m. Kl. 54260

? mileage @ 11:30 a.m. 54257?

Fish Sta. 54265.

82  
616  
486  
4.96

May 6. big herd  
hinter buck.

Big elephant & mate

Kilos 9, 815 Fish. 10,151 individ.  
22 days in April.

Ishango  
got soil sample low pt. of  
afternoon drive.

76° at 4 p.m.

night of May 6-7.

70° outside 72° inside



Saturday \* Revisited Fisheries station, left my hat.  
May 7 Lv. Ishango 10:30 a.m. Kl. 54270  
went to Snoek's home with Buddy beer.

Rain off and on  
from 11 a.m.

{ Got photo of hippo  
walking toward water

to Mutwanga for lunch. (Extras 160A)

Called on Kint <sup>in rain</sup> on way { Met wife &  
baby saw pygmy bell

Lv. Mutwanga after lunch. 2:15 p.m. Kl. 54356  
3 p.m. Kl. 54384

Arr. Beni in rain @ 3:45 p.m. <sup>crossed another  
bridge like photo</sup>  
(May 7) in rain. Kl. 54406

\* Ran over to Ishango once more in a.m. 7:55 Kl. 54260  
Lv. Fish. Stn. after drinks @ 9:15 Kl. 54265

Lv. Ishango 10:30 a.m. → Kl. 54270

Lv. Mutwanga (Ruwinzori Hotel)

"Ishango to  
Beni 3 hrs  
drive"

after lunch. 2:15 p.m. Kl. 54356  
rain from 11:00 a.m. off & on.

approx 90 mi. Mutwanga to Beni

Arr. Beni 3:45 in wet.

Mutwanga to Butembo. 65 miles

45 km to Beni (I had 50)

105 " " Butemb. = 65 miles (I had more)



May 8 ~~Sunday~~ ~~3:30~~  
~~Arr. 3:45 p.m. May 7~~ ~~Kl. 54406~~  
~~Saturday~~

~~approx 30 miles to Pygmy village from Beni.~~  
Lv. Beni. 8:05 a.m. for pygmy village  
v. Pygmy village? ~~10 a.m.~~ ~~Moera village~~ Kl. 54409  
~~22 miles from Beni~~ ~~Kl. 54432~~

~~Where are Becker's pictures?~~  
Arr. { Dicha (Dr. Becker) 11:08 a.m. ~~Soil sample #65~~ 30 km from Beni = 54439  
Kl. 54432

✓ Lv. Dicha for Beni's lunch. 12:30 p.m.

Lunch Lv. Beni (after lunch) 2:45 p.m. Kl. 54467  
~~for Butembo~~

2 hrs to Beni including coll. from coffee + guinea plants  
Last coll. (of 3 stops) ~~30 miles~~ Kl. 54497  
from Beni

Arr. Butembo 5 p.m. ~~most honey place yet~~ ~~Guesthouse~~ ~~on way to and~~ ~~rainy off and on~~ ~~all afternoon~~ ~~got rain.~~ ~~picture in yard.~~

Beni via Butembo to Rwindi (160 miles)

Butembo to Albert Park (Rwindi) 124 miles.  
[would make Beni to Butembo 36 miles]

→ ~~± 54527~~  
54536



May 9 Monday

had to wait  
for car repairs

Lv. Butembo in <sup>light</sup> train 11<sup>30</sup> a.m. Kl. 54536

urged picture of main street in rain  
(get it under over protest)

~~Lunch~~ Among tree ferns @ 12:20 p.m.

on Lubero - Rwindi Road. Kl. 54596

"6 hrs from  
Butembo to  
Rwindi"

did it in less

Lubero is 61 km  
from Butembo.

Sandwich lunch on road @ 1:20 p.m.

by fern doaked valley road Kl. 54601

Could see across valley @ 2:50-255 p.m.

Dupont sign 153 miles from Butembo

Kl. 54689

Arr. Rwindi Camp. 4:40 p.m.

Kl. 54473

#66

Soil sample on hillside stop on

way down to Rwindi (Photo'd view)

(by km post 469 but this seems to

mean nothing. to my records (from or to where?)



Out of Stanleyville Vici oango  
railway (+ autos for hire)  
to Uélé Country (hire a car)

Ituri

Kivu

Tshopo River + Falls  
Lindi + Ituri Rts.

Night at Nia-Nia.

Paulis \* Has good hotel  
360 mi. N.E. Stanleyville  
Early May. air clean and fresh.

Stanleyville a week  
by road from Khartoum

Mangbetu tribe music + dancing

formerly bound heads of infants

Tom Marvel  
the new Congo.

Will arrange dance.

get sound

Akasil daughter  
of chief best dancer  
Chief Tongolo

Wide road Congo-Nile Highway

Elephant Training Station at Dangala na Bodio  
Commandant Charles Lowers  
Supplies elephants for zoos from Garamba Park

Annual Hunt takes place in February (dry season)

Uele  
Country

Daily bath is a sigh ~~of~~  
"spine shivering trumpets of ecstasy"

get sound

Turn off to Faradje to head south  
to Ituri country

(p. 191)

Poney Guides

road leads through high Ituri Country to Kivu  
Stop a Bunia over night  
On to Lake Albert // Albert National  
Park



Tom Marvel, The New Congo, 1948

American West African Line (Barber Line)

New York to Matadi

Matadi-Leopoldville by rail

200 miles

Leopoldville to Stanleyville by Steamer, 1000 miles  
(something over a week) ⊗

⚡ Cool. damp. mornings, blazing. sunny. ~~afternoons~~, hot  
and humid afternoons, and warmish nights

⚡ Rains continue, alternating with brilliant sunshine,  
until well past ~~Easter~~. (April morning p. 126)

⚡ In June the rains have ceased.

⊗ Blind fish in grottoes at Thysville 3-5 in. long. transparent  
below Leopoldville on way to Matadi:

Matadi: one of few places in the Congo where one may  
sleep without a mosquito net.

⊗ Every night steamer woods up { Get traps to hang  
(5 hrs by air to Stanleyville over side  
from Matadi) } shapper cane in hbrs  
enroute Congo.

Coquilhatville = Turkish bath atmosphere =  
most important river steamer stop bet. Leopoldville and Stanleyville

Okapi

⊗ Woven fish traps of the Wagenia tribes

Above Stanleyville Congo is called the Lualaba

R.R. to Ponthierville

Arabisés

Wagenias Fish traps

Yangambi  
125 miles downstream  
from Stanleyville

Agri. Inst. = INEAC.  
"Botanic Garden" here { well la-  
belled



Diff. between

Rwindi and

Mutunga

Need something more  
about Tilapia

for Congo narrative

Meliaceae age?

Get something on  
height of Mahogany

Lingala

Corin = Volcano notes?

Belgian Geologists



Snake bite site of 24<sup>th</sup>  
 tied with string. cut with razor (Roy let me use. Das was)  
 sucked & scrubbed in hot water  
 loosened string couple of times.

Roy got Anzacet and antiven  
 injected 3 times in finger, 3x in buttocks  
 Tied up in mile of bandage. Told to fight with merchant  
 said did I see effect never, so must be  
 poisoning & said hand would be black & blue  
 in a.m. (never did discolor)

25<sup>th</sup> Next morning no time for looking at finger, & I haven't  
 told Roy by feel & swell. it must be  
 infected & he agreed. said if it still hurt  
 in even would give me penicillin & ampicillin  
 I wanted to stop at Imbarra Hotel to soak  
 in hot water but was overruled, because of  
 time & stuck it out.

Got in 7:30 at Entebbe felt he purposely let  
me suffer all day  
still said it  
would be  
worse

25<sup>th</sup> Soaked hand in hot water Roy looked at  
 it put on Bandaid & bandage. & gave  
 me "Cervogen" 8, 10, 12, drops 3 each.  
 had more than 424

26<sup>th</sup> hand still swollen 6 a.m. 8 - 10 - 12, 2 - 4

every 2 hrs. 26<sup>th</sup> 8 - 10 - 12 sleep 3  
 then every 2. (27<sup>th</sup> asked  
 if I was coming said yes  
 back about 4)

28<sup>th</sup> in 27<sup>th</sup> well at hand 26<sup>th</sup> very swollen &  
 well  
25<sup>th</sup> really bad.



16 capsules.

27<sup>th</sup>

26<sup>th</sup>

4 w 5

10

24-25<sup>th</sup>  
mm.

night of 25<sup>th</sup>  
1-2

1 a.m.  
lunch.  
afternoon  
dinner time. 4  
28<sup>th</sup> 3 a.m. 5

at day 2 hrs

8-10-12

I feel asleep like  
Roy said he'd spend  
in room  
the night of  
25<sup>th</sup> after  
dressing &  
pills

25 p.m.  
Roy dressed hand  
1-2-3

Roy dressed hand  
26<sup>th</sup>  
exam?

amie Elite

Kapulu  
Haff. Pude

arrange  
auto trip.

24 happened  
25 nothing done

26<sup>th</sup>  
25<sup>th</sup>

a.m.

26

27

(8)

(1)

(4)

(4)

p.m. (3) (4)  
10 12 4  
4. 6. 8. 10, 12  
2, 4

4

4

to Gulu.

(4)

11

4 a.m. 26<sup>th</sup> full adult.  
2-4 = 31  
night 26 bed at 2 a.m.



Walter Robyns; Bruxelles (1948)

Les Territoires Biogeographiques du Parc  
National Albert

---

Scott Elliot; Innes & Co. London (1896)  
A Naturalist in Mid Africa

---

Gatti, Tom Jams in the night (1932)



May 2.

Durugu at 2.40 p.m.

(2)

Kasenyi May 3 - rained all night.

Arr. + Lv. Bunia Hotel 2:20 lunch.

May 3. Arr. Mt. Hoyo. 6:30 p.m.

army ants bite me. before Hoyo.

Ishango on Lake Ed.  
48 x 25 wide  
Semilike  
drains  
+ L. Albert

May 4 various pygmies along road. Lv. 4 p.m.

→ 5 Mt. Munga. some of birds at Ishango p. 43  
On Semilike R. Ferry to fishery

May 6 Lv. for Ishango O.J. Kint @ Mt. Soro.

May Nite of May 6-7 = 70° outside; 72° inside

7th

Left Mt. at fishery. Price was sent  
to me in Bukavu

Arr. Beni in Rain. Bought can lobster here (see m. p. 45)

May 8 Dr. Becker arr in Beni in rain

May 8 Lv. Beni for pygmy village.  
Back tracked to see pygmies

May 8 Lv. Hotel at 2:45 a.m. for Butembo  
mining center?

May 9 rainy down; Lv. 11:30 a.m. in rain.

Arr. Rwindi. 4:40 p.m.

May 10 in Rwindi.

Lv. 7:50 a.m.

ours of Rwind  
Hot Springs 5/11/55

Chief warden Sta at 10:35 a.m.

→ Guide to Nyamaguiru 1953 lava flow.

Reach Kisenyi at 4:30

May 12 at Kisenyi Dance by Hosi  
from Kasenyi at nite saw Lava glow of

May 13 Lv. at 8 a.m. Going to Bukavu 142 mi.  
Road by Kalehe cross flows of 1912, 1938, 1948 erupt.

May 13 Green Lake

May 13 arr Bukavu Royal Residence

Close mentions  
Green Lake p. 313



May 10 Tuesday

~~May 3 Kasenyi~~  
~~Shingo to Beni~~

P. Baert took us through Park  
Forenoon and afternoon with lunch  
at camp.

Lv. 7:30 a.m. in truck.

Hyenas @ 9:20-9:25 a.m.

Birds @ 10:15 a.m.  
on lake shore.

11:03 a.m.

06926

06957

Forenoon = 31 km.

42 km.

# Soil sample

67 near hippo dung.

68 near pelican grd.

69 by hippo bend  
where lions feed.

at 3:05 p.m. 06999

07063

at end after-  
noon trip.

pt. 3 -

for afternoon.

? 8.5 miles for the  
day.

31  
42  
64

137 km  
for day  
in Park.

~~64~~ km.

~~May 12 Pursue water: dunes~~



Wednesday  
May 11 Lv. Ruindi. 7:50 a.m. I + Bas + gun + kidna 1 km. 54737  
were warned of bridge repair, would take (close road for 2 days)  
at least one or? ...  
Pass. Mabengo  
@ 9 a.m. ~~Hot springs~~ Repairing washout just learned of it by accident this  
called on Chief Warden ~~again~~ 7 a.m.  
@ 10:35 a.m. Km. 54822.7

"Kisenyi with stop at Rumangabo  
to see Chief Game Warden Major Gilliaert.  
re lava" 1958 lava

Cars to be serviced

Ruindi via  
Rutshuru +  
Goma to  
Kisenyi

Didn't Roy or  
Buddy take men  
drilling (found no shells)  
movies?

16 km. from  
warden to intersection

Km. 54838

at intersection.

Lava 2 km from main road. K. 54840

? 12:40 <sup>2 1/2</sup> reached intersection again ?  
started for Kisenyi

~~Ruindi~~  
Ruindi to Goma  
= 140 miles

Goma altitude. 4,789 ft.  
"Mediterranean climate no mosquitoes  
or crocodiles"

May 11.

Arr. Kisenyi. 4:30 p.m. met Marshes.  
at right on hill top - volcano fire.

Under May 12 see Bottom next page



May 11 cont'd  
Goma & Lake

Wahisi dance for sound  
shut eyes - haven't quite  
libed sound track & pictures

While at

May 11

~~From~~ Kisenyi climbed hill at higher  
+ saw active volcano Nyiragongo

>

Savage in Ecuador

reminded

Beh. Goma and Sake but noarer Sake  
passed through great 1948 flow  
at north end (N.E.?) Kivu  
and after that nearer Sake he '38  
flow

Goma to Bukavu 142 miles. Road by Kulehe  
crosses lava flows of 1912, 1938, 1948 eruptions.  
At that time 10 1/2 miles <sup>at road was</sup> ~~there~~ shut off and travellers  
and autos had to take ferry across head of Lake Kivu.

May 12

Thursday

Arr. Kisenyi May 11.

Bulger down on beach early  
got a crab, in shallow water.

9:23 left Bugoyi guest house for dance.

Wahisi dance 10:15 <sup>or say 15</sup> 11:00 a.m.  
perhaps 1/2 to 1 hr. 2000 frs.

Afternoon packing; <sup>night</sup> Bulberg pictures

Roy & Buddy went Goma in aft.  
with Bulberg saw ships at docks  
village in crater.



May 13. Friday

Sunny clear,  
some clouds

Lv. Kisenyi. 8:00 a.m. K. 54993

May 13

Green Lake 8:45 a.m. K. 55013

"7 hrs  
drive to  
Bukavu"

Lava flows  
1912  
1938  
1948

~~Undated~~ lava. 9:55 a.m. 55015

by autos. of group.  
Pictures 10-10:15 Photos → 55019

Pl. flag.

Got 1938 lava but no sign. → 55024 =

near Macha ~~11:55~~ sign

Saki switch back; missed it

11.55

divided lake Kivu stopped for  
lake Kivu picture. 10:53 a.m.

Shasta.

55035 Shasta.

Kisenyi via  
Sake, Boban  
dana Mission  
Kalshe, and  
Kavumu to  
Bukavu = 118 miles

Ivory Factory Muburano

Overturned ref. truck 1:39 p.m. 55076

Women with  
wood.

got 4 lava flows. 1938, 1948, 1953 [54]

~~May 13~~

May 13 Lunch stop @ ~~4:20~~ <sup>?</sup> overlooking lake.  
Left " " " 1:42 Km. 55099.

~~Shasta 55035.~~

~~Gl. Lambrecht in St. George~~

Stopped at Lwiro for mail

Arr. Bukavu Royal Residence Hotel.

Saw Bambaras boat  
and display at store

5:45 p.m.

Km. 55232



May 14 Saturday

Saw Vercaemen-Grangean  
Jadin.

bet 10-12

Out to IRSAC at Lwiro  
visited labs. Van den Berghe's asst  
showed us around.

Buffet lunch at ~~Mess~~ Meeting hall  
afterwards went to Chapins

Then lastly to.

Dinner at Van den Berghe's 7<sup>p.m.</sup> - 12 midnight.



May 15 <sup>Sunday</sup> ~~Saturday~~ (1)

Dried sunrise 5 a.m.

to Chapins for supper.

Picnic. Vincks for lunch.

Stayed till near supper time at Chapins

Samples from Tshibati farm stream.

at 900 (not 8 as planned)

(2) After Breakfast to Chapins, expl. day.

picture. ~~most of day here~~

~~& pygmies & fire making~~

---

Chapins birds & talk



May 15. Lwiro Lunch at Kinds

16 to Chapins. + to Bat cave.

Tuesday. 17 Mulungu = Dendrix. = Bredo at Night.  
18 Ruddy Baker Monday Holiday because King's landed

May 19 Marlier dinner.

20 at Uvira Lab.

Wahus's at church May 22 bike with Babashas on rear rack  
 May 23 Lv. Astrida. 9 30 a.m.

Lake Mshasi

23 Gubiro late at night. +

24 day in Park 2 Haezaert Lunch  
 + supper.  
Snake bite.

25 got away at 10 a.m. from Gubiro

Arr. Entebbe at 7:00 p.m.  
 at 8.

26 no air reservations

27 rained on way to Gulu

5 p.m. reached Masindi.

5:45 Aura Ferry.

Arr. Gulu 7:15 p.m.

173 miles from Juba stopped at rest house  
 over looking Nile Lake Albert Str. in distance



May 16 ~~Sunday~~ Monday

Holiday because King had  
Landed at Leopoldville

Packed lava.

{ Tree (leaf) galls  
Living mites photo'd  
Bombarde lecture at night.  
after Lambrechts dinner

Mia-ya-moto bat cave.  
hot springs, inside entrance.  
near Katana s.w. shore of L. Kivu

Soil samples  
#73 & 74

In a.m. Baker Buddy & Chapin did over pts of  
bird recording while I stored lava

Lunch Suux-pas by Sexton.  
Finally we ate at community house.  
at 2:45 p.m. started after Chapin for  
bat cave visit. (had 2 p.m. date)  
met him on road.

College students / colored boy in group  
went swimming in lake  
2 helped us find cave  
had warm spring outside.



hooded drake while waiting  
for lunch

May 17

Tuesday

Return to Bukavu

a.m. natives cutting grass with machete. (X)

Lv. Lwiro for Mulungu (Hendricks) 1:20 p.m.

(ate lunch Lwiro before start) 11:50 ate.

km. 29290.

soil sample # 7506, 500 feet elevation.  
black volcanic soil.

10 km (miles)

Ar. Mulungu in rain about 2:30

km. 29300

in quite a rain

stopped after  
a while

Saw lab & experimental gardens.

Hendricks took us up to 7000 feet. (goes up to 7500)

Lake level is about 4500 feet.

Lv. Mulungu

3:45 p.m.

Parana pine

Brusses for Sohns.

Ar. Bukavu, Hotel Royal Residence

air reservation sought

4:45 p.m.

cocktail  
Bred a party at night; cocktails

Dinner to Thorntons and Chapins  
afterwards. -

~~After squabble of yesterday Roy confessed he & Buddy  
had pockets full of undeclared films.~~



May 18 Wednesday

Lv. Bukavu 55264 km.

Had talk with Thornton re charges in my room in a.m. Sexton insisted leaving film with him.

Lv. Bukavu (after visit to Oscar) @ 2:55 p.m.

stopped for <sup>valley views</sup> view shot. 3:30

km. 55264

entered me <sup>valley views</sup> way stretch rd @ 3:45 p.m. ~~entered~~

km. 55296

"4 hrs drive Bukavu-Uvira" "88 miles"

3

Arr. Uvira, in pitch dark @ 7:15 p.m.

looked up Marlier <sup>who</sup> took us to dinner at hotel. (after drinks at his home after dinner went through lab with him & wife.)

On road to Uvira: —

4:00 p.m. bridge of 20-30 feet (no timber)

4:10 (=4 km. per hr.)

4:15 river shot (took photo) Steel drum for signalling.

5:00 good road did 95 km.

km. 55325

5:15 p.m. 100 ft iron bridge no timber. (only occ. eucalyptus)

130 ft bridge, no trees

5:35 40 " " "

5:55 110 " " acc. eucalypt.

6:00 p.m. 20 " " few " nearby

6:05 40 " no trees 50-60 km per. hr.

6:20 40

6:25 50

6:35 90 ft iron

100 ft wood (30-40 km. speed)

15 ft bridge some trees for wood

200 ft iron

Saw deer in road



May 19 Thursday

Breakfast, canned cheese  
butter, bread & coffee at sta.

Marlier took us through labs in a.m.  
to his home for lunch

Lung fish will bite

a.m. or p.m.

@ 7:15 May 19 klm 55422

Tanganyika:

4,000 feet deep

bottom is 1600 feet  
below sea level

500 miles long, perfect  
crack in earth's surf.



May 20 Friday

(B.O. sample #78)

Roy spent 1/2 hr taken, pictures with all kinds of fish! dredged in 13 meters

Pombe

Phot'd boat in forenoon, dredging motions

Night seine haul 6:30 to 7:00 a.m.

Dinner to Marlier afterward at hotel

Afternoon drove down lake shore

Soil Sample # 76 from cotton field.



May 21

Saturday

wife upset getting house cleaned  
~~for King~~  
therefore no lunch

Over to see Harroly in Usunbura

Airport and lunch

" at restaurant

Afternoon painted houses - along shore of lake  
bought specimens from boys fishing - suffers heart trouble  
at hotel again ~~curmudgeon~~ <sup>sober cyprian</sup>

Evening dinner to Marlier's & Holden of Nigeria

Uvira to  
Usunbura  
= 25 miles



we lived well in the Hotel Falcon in  
Astida but we were approaching  
the end of our journey and there  
was the packing of our gear  
and specimens for shipment Rome  
A little voice told me that <sup>we</sup> ~~we~~  
had better move along ~~rather~~  
<sup>by a</sup> day ~~from~~ the scheduled ~~stop~~ in the  
Astida area, for



Some good angel must have been watching over us for while we were in ~~the~~ <sup>the</sup> Kasapa Park, as much as we wanted to see more of it and enjoy M. Auezerb's generous hospitality. The urge came over me to get to ~~Entebbe~~ <sup>Uganda</sup> a day earlier than scheduled. It meant a day less in the Park, and a day more in Entebbe where we had to pack gear and collections for shipment home ~~to~~ via Nairobi.



How providential it was. ~~At~~ When travelling in ~~ordinarily~~ out of the way places, as behoves the experienced traveller, check up any arrangements <sup>(advance)</sup> or reservations that may have been made or promised. ~~So~~ The first thing ~~we did after~~ after signing in at the

Hotel was a visit to the Airways Office to check our flight to Dubai at the head of navigation on the Nile. No word had ever reached the local



office regarding our, in Washington, D.C.  
and paid for air-flight tickets. The  
plane was full up; we had neither  
claim nor right to priority. We were  
just strangers in a strange land. It  
was either make do in the next two  
days, or wait two weeks for the next  
Nile steamer down stream. Time and  
money were running out — we just had  
to be here on the.



May 22 Sunday

Daylight seine haul 500 fcs 8:00 a.m.  
one rare fish Marlier wanted.

Coffee and farewells at hotel 9:30 a.m.  
smelt like when cooked bought bowl little fish for 2 fcs

got bats taken, night before  
(from trees about hotel)

Paid 1000 + 1.40

Lv. Uvira 10:05 a.m.  $\longleftrightarrow$  15m 55678

Rain off and on, but not right at lunch  
2:05 to 2:35; blue sky again at 2:40

Lunch.

bet 2:10 and 2:20  $\rightarrow$  15m. 55798

took distant view over lake. at 5

"6 hrs drive  
Uvira - Astrida"

Regular Southern California day

At 3:40 wanted view of cultivated  
fields and road; finally got it, showing  
terraced hillsides

Usumburu to Astrida  
= 103 miles

5,747 feet elev.

Arr. Astrida, in dark, 7:00 p.m. 15m. 55891

Hotel Falcon

went over in dark to medical lab

where Baker introduced us to

Dr. A. Fain (Udlin's representative here)



May 23 Monday

55963  
55896  
67

Lv. Astrida, heavily overcast day  
9:35 a.m. Km. 55896

Did heavy food buying in stores  
Peter paid for most

also sample #29 from fill dirt hole side of road

Soil sample #80 11.15 a.m. Soil sample. Km. 55963  
from opp side of road.

(\*) Soil sample #81 near welcome sign to prov. Kibungu  
& Kisali. 4:05 p.m. Km. 56098

On road to Nyanza, sort of  
Swiss landscape, much as photo'd  
in Ecuador, eucalyptus trees here too

At. 5:35 p.m. Km. 56157

On road sign at intersection:

"6 hrs drive

Astrida to Gabiro"

Kigali 108 km.

Gabiro 36 km.

approx. 200 miles

Much of trip alongside Lake Mohasi

→ Arr. Gabiro 6:45 p.m.

Got to Kuezaert before he got in; we had  
arrived day before expected

He served us, dirty as we were, <sup>with</sup> cocktails.

(\*) Soil sample May 23 #81; Km. 56098  
near welcome sign Prov. Kibungu. (opp side of road)



May 27  
3

p.m.

~~Adura~~  
~~Adura~~ Ferry.

4

Victoria Nile  
Sor. Grand.

got. to. d. ba. 2:15 p.m.



May

(28 - 50-60 elephants.  
29 = to Mongalla to get sor.  
30 4-5 a.m. at Bor  
01

at d. ba.  
4 for  
water  
needed  
5 at  
Mongalla  
10 miles  
away

May 29

Mongalla Terekaka, Pamba.

30

Bor.

31

Shamba 10 a.m.

June 1  
June 2

Adok 11 p.m. - Fangak Kir.  
B. P. 10 a.m.

Kodok 3:30 p.m.

2 Mahakul 9:30 - 11:30 a.m.

Obail 7 a.m.

Adar

Ponga during night.

3

Salem Banga

June 5

Kosti drawbridge  
depart for Khartoum.



# 83 crocodile nest  
84 near rest house

Tues

soil sample  
crocodile nest pit  
we all looked at it  
was an old one

2 bracelets in 'crocodile' stomach

zebra shot 10:30 a.m.

lunch on  
bet. 12:30 and 1:30  
after pool crocodile pole.

Day in Kagera Park

guest house side,

Soil samples 85 + 86  
near guest house  
in afternoon

Snake-bite

10 p.m. after dinner at

Start at Kl. 56338

458  
338

Loop began at 3:30 ended 4:20

Muck soil at 3:30 (8458)

May 25 Wed

did 120 kl. wpt. = 74.40 miles.

Lv. Gubiro

6:30 a.m. Km. 56:205

62°F on therm. at 6 a.m.

in customs in forenoon  
finger hurt like hell

Gubiro to Entebbe

= 250 miles full days

did not stop Mbarara

Arr. Entebbe 6:20 to 7:00 p.m.

left from Kagera

Kagera to Mbarara approx 210 miles.

Mbarara to Entebbe 180 " = 390 miles

May 26 Thurs Entebbe, Kampala.

Packed till 2:45 p.m.

Rained on boxes  
left in truck.

May 27 Friday

Lv. Entebbe 10. a.m.

Ar. Gulu 7:15 p.m.

Miles 30, 177/1 5:45 p.m.  
May 27  
in Book store

May 28 Saturday

Lv. Gulu 8:37 a.m.

Ar. Duba. 2:15 ± p.m.

on road to Duba  
Nimule?

Cool 85° where  
98° at cabin door.  
see Bredin letter.

May 29 Sunday

Lv. Duba hotel. 7:05 - 7:10 a.m.

Lv. dock after long auto ride. 10:20

shoved off at about 11:20 a.m.

naked  
neris.

May 30 Mon on Nile

92° at 4:30 a.m. (X)  
Bor. May 30  
Papyrus started  
at Bor. May 30

May 31 Tues

2 days papyrus  
"Lyke No" old German  
factory for paper

before noon 5 elephants in grass, after noon 50-60  
or so straight down on shore. Boat rubbing buoys at time



Zebra shot May 24 Pruch  
Km 08386, 10.30 a.m.

---



On Nile:

(Juba)

were supposed to <sup>by str.</sup>lv. Juba at 9:30 a.m.

May 29 <sup>Sunday</sup>

Lv. Mongalla 11:20 am

Terakeka

Tombe

Bahrel Jebel

May 30 <sup>Mon.</sup> Bor (4-5 a.m.)

May 31. <sup>Tues</sup> Shambe 1 p.m. - second day of papyrus.

Adok (mats) 11 p.m. - 1 a.m. May 31 - June 1

June 1 <sup>Wed</sup> Dura - wood piles auto trucks, bikes  
fantastic forest of mats

" Buffalo Cape 11.45 a.m. White Nile

June 1 <sup>Wed</sup> (Fangak kir) 11.45 a.m.

June 2 <sup>Thurs</sup> Tonga in night end of papyrus.

June 2 <sup>Thurs</sup> Attar 5 a.m. large church.

O bail 7 a.m. June 2 girls left. str.

Malakal 9:30 - 11:30 - Cloudy 2/3 of day (78° at nite)  
Rain before going ashore  
almost missed str.  
picked up 2 extra barges.

June 2 <sup>Thurs</sup> ~~Kodok~~ <sup>?</sup> Kiska (corn bread for lunch)  
Kaka = 3:30 p.m. - 6:30 p.m. (150 counted ashore)

Nuer { nodules in head }  
Shilluks. { long less. }

Melot dura

June 3 <sup>Fri</sup> 6 a.m. Kaka schools for sale.  
<sup>5:45 to 6:15 p.m.</sup>

June 4 <sup>Sat</sup> arr. Debelem 10:30 Various sales rope!  
melons raised & traded here  
got away at 11:30. with second str.  
along side to help us steer through difficult  
channel



June 17 —



June 1 <sup>Wed</sup>

end of papyrus. except for scattered patches  
on tiny ~~islets~~ <sup>islands</sup>  
#89 (about 88 + 99 here)  
Soil samples from wood piles at Buffalo Cape

June 2 <sup>Thurs</sup>

Obail 7 a.m. girls left; passed Atbara 5 a.m.  
open country. → At Kisma at lunch.

Soil sample #91  
Kakra  
3:30 p.m.

Lvl at 4 p.m. Kodok 7:30 p.m.  
Malakal. 9:30 - 11:30 <sup>a.m.</sup> almost missed boat

June 3 <sup>Fri.</sup>

Melut early a.m. passed Dura in nite.

June 3; 5:45 to  
Soil #92 6:15  
Salem Banga

Kaka ~~schools~~

Toraki t #100 - 1:15. Camel  
wash.

1st horse since Bangala + Lwiro.

June 4 <sup>Sat.</sup>

arr. Jebel em 10:30 rope. second str. helped us out

June 4 <sup>Sat.</sup>

10:30 a.m.  
Jebel em  
soil #93.  
watermelons

Arr. off Kosti bridge at 10 p.m. + wait till  
draw is opened in a.m.

June 5 <sup>Sunday</sup>

Ok.

Arr. Kosti. ~~8:30~~ <sup>7:00 a.m.</sup>

had last breakfast aboard  
(in train Break. 21  
Lunch 23  
Dinner 25  
at Jebel Moya. 5 p.m.  
mile some 294  
castellated cliffs

Lv. Kosti ~~2 p.m.~~ <sup>5 p.m.</sup>

6:15 Arr. Old Sennar at 5:30 p.m. temp = 102°

June 6 <sup>Mon.</sup>

108°F

Arr. Khartoum. by rail.

Lunch + dinner in train.  
on 5th

6:15 a.m. ???

Grand Hotel

June 7 <sup>Tue.</sup>

In Khartoum.  
and Omdurman

(2 a.m. 9th 90°)

4-5 p.m. 105° inside

at 2 p.m. compartment. 104°

little girl sold coffee. outside  
4 p.m. = 115°  
102° at 9 p.m.

June 8 <sup>Wed</sup>

lv. Hotel. 7 a.m?

El

Damer @ 3:15

11:15 train

Lv. 11 a.m. by train for Wadi Halfa (Zurur)

were due at 2:15 p.m.

June 9 <sup>Thursday</sup>

at 2 a.m. temp. in compartment 90°  
at noon or 12:30 p.m.

Arr. Wadi Halfa 11:30 a.m.  
Lv. 4:30 p.m. lunch at 4:00

Arr. Zurur

got up at 5:15 a.m. 86° at 9:10 a.m. 95° inside. 7 p.m. Egypt of sons + some.



May



June 10 <sup>Fri</sup> on Nile <sup>5:50 a.m. passed submerged building + temple cut in rock</sup> Abu Simbil temple.

June 11 <sup>Sat</sup> Str. Al Zahra Bot conductor. Temp in compartment @ 5:30 = 116° at Daraw at 5:45 = 115°  
Arr. Shellal 8 a.m. guide 60 + 25.  
Azwan. 9-12:30  
Hotel till 4:45 p.m. (lunched at Hotel)  
Lv. Asswan at 5 p.m. (schedule 4:58 p.m.)

Arr. Luxor 9 p.m. (8:45 p.m.) dinner in train.  
Hotel Luxor. Note of the Shehata Adam. Dept. Antiquities Luxor.  
June 12 <sup>Sun</sup> to antiquities office at 9:30  
10-12:10 — 107° @ 3 p.m. Karnak Hypostyle Hall with 136 columns

Luxor temple after 5 p.m. Set I  
June 13 <sup>Mon</sup> cross Nile with felucca to Thebes { Rameses VI? Tut-Ankh-Amun Amenophis II.  
In Valley of Kings! Police man funeral  
Copper river at sunset. Colossus of Memnon. Deir el-Bahri Queen Hatshepsut  
Lv. 8:30 p.m. sleeper for Cairo. Breakfast in train

June 14 <sup>Tues</sup> Last night 98° this a.m. 90° at 5 a.m. 88° at 6:50 a.m.  
Arr. late for lunch in Cairo. Train much delayed.  
3 hrs late arr. in Cairo. Coptic Church in aft. Bazaars = Lower East side. (6000 year old bread)  
Cairo Museum visit.

June 15 <sup>Wed</sup> to Pyramids and around town  
to Mosques in 14th

June 16 <sup>Thurs</sup> 90° in day 83 at night at 10:30  
84° at 6 a.m. June 15  
Lv. Cairo 11:55 p.m. Haysrael to customs with me.

June 17 <sup>Friday</sup>

Arr. Rome 5 a.m.  
Lv. Rome 2:45 p.m.

June 27 ~~arr. New York 27th~~ <sup>arr. Green</sup>



①

Dear Bruce Tibi, and Megs  
and Johnathan, ~~greetings~~.

- ① ~~Dear Bruce~~, I have been wanting  
to write you <sup>Bruce</sup> for some time —  
long time it is, but each day  
seemed more crowded than  
the one before — promoting  
so many things I guess, besides  
this ~~Crinoid~~ ~~Crab~~ monograph  
which I am trying to push ~~the~~  
along. Takes most of my day  
like hours.
- ② You'd inquired. → Dad, Clarke said  
Yes, I'm very  
much alive, and have nothing  
physically to complain about. ~~to~~  
What ~~to say~~ about mentally not  
much, ~~to say~~ <sup>as with</sup> but ~~like~~ all old men ~~get~~  
plus over



⑧ could have reached the point  
~~in time~~ don't like he may be  
"world" seems to be going. No matter  
what virtues L.B.L. may <sup>appear to</sup> have  
as a President, the Demo-  
crats have been in power  
for too long. <sup>This country is fast be-</sup>  
~~we are getting~~  
~~to be~~ <sup>emitting</sup> the party State. All  
the political appointees and  
there is an uncounted host  
of them feeding out the public  
trough have been at it so  
long <sup>that</sup> they think along with the  
Administration that they own  
the country, and they practically do.  
The public debt is higher than  
and end is not yet in sight.  
think of the interest charges be-  
fore a single cent of tax money  
can be usefully spent, and



Nyamulagira

417

422  
574

Nyiragongo

417  
424

X

8 volc. in chain

Chain of volcanic mts northeast of  
Lake Kivu, = Kirunga. Separates  
Nile + Congo Basins by cutting  
across the whole (entire width)  
of the Great Rift valley of  
Africa. 8 volcanoes west to east

Nyamulagira, 10,020 ft.

Nyiragongo, 11,578 ft.  
(Nyiragongo)

hundreds of secondary craters.

Eruptions in 1904-1905

this small satellite volcano

1912 a new crater opened up in plain

bet. Nyama + Lake Kivu. Rumoka

(virtually closed off)

The flow put off a great north

Sake Bay - Bobandana Bay. From Lake

Jan 28. a vent called Shambene.

split S.W. slope of Nyama. at

7,380. ft. Reached Lake Kivu

12 Dec. of 1938 <sup>covered</sup> Sake Bay

Old for 6 miles

every road in way.

rendered Sake Bay to navigation



March 48 Nyiragongo awakes I

3 lava streams

2 cut at Lake Goma Rd.  
11 miles west of Goma.

at night  
plumes of smoke glow from white hot lava. <sup>16 by</sup> volcanoes

(47 miles = Rutshuru to Goma)

Rd is of blocks of lava covered  
with ashes

---

6 extinct volcanoes to east deeply eroded

Warden at Rumungabo

15 1/2 miles from Rutshuru.

Kibati Pass bet. Ishangi-Lugongo & Mikenso

Kibati From here magnificent view of all  
Lake Kivu. 1968 feet below

---

Nyamulagira

Second great erupt<sup>n</sup>  
of modern times

N. gongo

1948 cut road

SW 10 1/2 miles

west of Goma

4 1/2 east of Lake

was in 1938 Shaulbene  
reached Lake in Dec.



Lake Kivu highest in central Z  
Africa at 4,789 ft.

1938-39 burning heavily devastated  
entire plain South of Nyan  
cut Suku-Boma Rd.

---

On Boma Kisenye Rd. a left.  
is Green Lake has subterranean  
connect with Kivu.

After Green Lake cross recent  
1938-39 flow.

Road going south follows Bay of  
Suk.

---

From Bukavu main highway to South.  
ends in Uvira + Usumbura.

Road <sup>15 1/2 miles</sup> climbs to 5,904 feet. to descend  
to 3,280 narrow track cut out of  
solid rock, clings to spurs of mountains  
2 section one drat. with Gorge of  
Ruzizi



86

From Lake T road rises to 6,560 ft.  
to 7,872 feet in IV. & then  
descends to the Kagera at  
4592 to 4920 ft. to Victoria  
furthest source of Nile.

Bahutu. = vast majority.

Bwira - pygmies

Kagera Park has more  
varied & abundant species than  
Rwundi section of Albert Park

103 miles from Usumbura to  
Astrida

---

28 miles from Kigali & 5 miles  
come to Lake Mohasi.

Permit to Kagera has to come  
from Brussels.

Kisenyi 25° at noon  
12° in morning & never  
below



in the jungle-like woods, some miles  
off the road, over <sup>a</sup> very rough  
~~and dangerous~~ trail, the last  
stretch of which had to be made  
a-foot. It was a sight to be-  
hold stretching far miles right  
and left, and back to the lower  
reaches of the mountain. This  
flow did not spill over from the  
crater, but burst from a fissure  
rather low down on the ~~mountain~~  
side of ~~the~~ <sup>10,000</sup> foot high  
volcano.

40 km  
= 24.85 mi.  
20 km  
= 12.43 mi  
1/2 way to  
Kivu



The one hundred and forty miles from  
Rwinda to Kisenyi passed through  
the heart of the lava country.



intermittantly  
~~seems~~

(51)

N. is ~~then as a is~~ ~~forever~~  
active, ~~even~~ when seemingly  
quiescent, molten lava is usually  
boiling in its crater lake. Re-  
corded ~~eruptions~~ lava flows go  
back to 1894, but ages before  
the Central Africa chain of  
volcanoes, ~~of which it is the~~ ~~most~~ <sup>western</sup> <sup>end</sup>  
thus formed across  
the great rift valley Lake Kivu  
of which it is the  
twentieth

~~west end is one~~

~~unless~~ Lake Kivu by way of Lake  
Edward ~~must be a part of~~ the Nile  
intercepted. Since that time ~~it~~ <sup>the lake</sup> drains  
~~to~~ south through the Ruizi  
River to Lake Tanganyika  
to feed with it the waters of  
the Congo.



~~Recorded~~ <sup>have</sup> lava flows have been  
~~and taken place~~ every few  
years since, often in successive  
years, ~~and~~

~~N. is seemingly forever active,~~  
~~recorded lava flows are~~

~~The~~ Recorded lava flows  
which occur every few years  
date back to 1894, and even  
when seemingly quiescent ~~with~~  
lava is ~~generally~~ <sup>can</sup> be observed  
boiling within  
its ~~crater~~ lake, deep down in it.  
~~the lake~~ <sup>But in intervals</sup> After periods  
of a few <sup>and</sup> years with  
~~periods~~ of apparent dormancy  
and of no more than "normal"  
explosions with in its mile and a  
quarter wide <sup>some of the</sup> crater, great  
greatest <sup>of its</sup> eruptions lava flows have  
~~seem to have taken place~~  
occurred, in 1912 after about  
5 years ~~of~~ <sup>at</sup> no noticeable  
activity, a great flow destroyed



~~Having burst from a fissure low  
down on the side of 10,000 foot  
high Nyamagira~~



Lake Kivu ~~some~~ ~~24~~ miles to the  
 South. ~~At this~~ Before he flow  
 or flows ~~ceased it~~ <sup>is</sup> mid year  
 1940 it is estimated that  
~~400~~ million cubic meters of lava  
 were poured out, not from the  
 main crater but from ~~the~~  
 adventitious or ~~newly~~ <sup>freshly</sup> formed  
~~crater~~ cones same distance  
~~from the main~~ nearby

5 large fissures in the  
 slope of the mountain and  
 sundry ~~small cones or~~  
~~satellite~~ volcanoes or cones  
~~formed nearby~~ poured out

$$\begin{array}{r}
 400,000,000 \\
 \hline
 400 \overline{) 523.177110000000}
 \end{array}$$

over 500 million. **523,177,110**







much arable land and reached  
~~lake Kivu and cut off a bay at~~  
~~the north end of Lake Kivu from~~  
~~and cut off a bay~~  
cut off a Bay at the N. end of Lake  
Kivu from the Lake proper. And

Nothing of great consequence  
and nothing more than normal, <sup>within crater</sup> <sup>eruption</sup>  
happened from that time <sup>to the</sup> <sup>present</sup> <sup>day.</sup>

1938 when Nymal gila let loose

again and has more or less  
~~at at~~ on several occasions  
~~violently active from January~~  
~~1938 to mid year of 1940.~~

~~At this~~ During this period the  
lava flow went all the way

~~to Lake covering~~ a vast area  
and ~~went~~ <sup>extended</sup> all the way to Lake  
~~Kivu and lava~~ The great lava

flow <sup>has</sup> took place, continuing  
for weeks and indeed months  
and covered several hundred square  
miles of land, reached all the way to




This lava flow was as impressive as any I had ever seen and reminiscent of the great Galapagos flows ~~and~~ of James and Harborough, only here in the midst of forested areas. Also those for the most part were quite old. This one very recent.



Pop. ~~near~~ <sup>over</sup> 11, million (Bet 11 & 12 million)

Geologically central plain of Congo  
= ~~bad~~ giant lake.

Mineral wealth.



Great Rift Valley or Graben  
869 miles long 25 miles wide  
from Zambesi to the Nile.

Lakes Tanganyika, Kivu, Edward  
(plains of Ruzizi, Ruindi, <sup>and</sup> Rotschur, and Albert  
adjacent mountain  
chains. 6500-9800 feet.



Nyamlagira 10,025.

Kivu formerly Northern  
got dammed by  
volcano.

now flows south into  
Tanganyika.

Long chain of depressions

---

Western rift valley  
Lake Albert to southern  
end Lake T.  
850 miles

Ruwenzori 16,000 feet  
above sea level.  
stands within the rift  
valley where its sides  
spread far apart  
South of Ruwenzori. Lake  
Edmund.



Jan 28, '38 Nyamulagira  
erupted. 3000 m  
high

1 billion cubic meters  
from Jan 38 to June 39

Nyamula Nira gansu  
glacial melt

did Corin ever write  
up volcanoes?



1929

1932 at <sup>2864</sup> <sup>klm</sup>

Annual <sup>average</sup> <sup>moyen</sup> de lave during this  
period 1932-38 amounted to  
about 30 million cubic meters

Broke out of 5 large fissures Jan. 28  
formed also satellite volcanoes 38



Dean Verhoogen  
1938

Nat. Geog.  
Oct. 1939  
Vol. 76 - No. 4  
pp.

Jan 28 Huge fissure on  
sides Hundreds of square miles  
Nyamlegira

⊗ Rutschu. hdqrs  
1/2 way Bert. Sh. + L. Kivu.  
⊗ 22 miles N.E. of  
Nyamlegira

From road to top of volcano 2 days hike  
10,026 ft. <sup>above sea level</sup> elevation is westernmost of

The Virunga range of volcanoes, North  
of Lake Kivu (518-519) one of the  
geol. features of Africa.

group of 8 great volcanoes in  
Western Rift Valley. 850 miles long  
bottom is

contain Tanganyika 1600 feet  
below sea level. and Kivu Edward  
+ Albert.

Rutschu 22 miles N.E. of volcano.

Western Rift Valley 850 miles long

At a time Tanganyika flowed N. Biseruption from dik  
+ Lake Kivu, now both feed Congo.



1901

Dates from  
~~R. Cambier~~

1904 name

A. Meyer - Le Volcan

1905

1912

1920

(sub-lacustrine)

1920

(lacustrine)

1938

400 million cubic meters

random to total

1948

erupted in plain at Sake +  
Nyiragongo

1951

15 Nov. 5:00 pm  
Oct. 100 Jan 15 1952

50,000 tonnes in less than  
century

at night we drove hills  
above Kiseni, to see the  
flow of molten lava in the  
crater of Nyiragongo

Nyiragongo

eastern of and remaining  
active volcanoes at a chain of  
across the floor of the Great  
with valley reversed the drainage  
flow of lake and rivers into from the Nile

Cones  
to the  
a mile  
had  
than  
from  
the  
cones



Before our advent ~~Nyamuragira~~ Nyamuragira  
➤ (Niamlagira) 3058m sous-lacustre  
Had erupted 1901, 1905, 1912, 1920

1920 Activité permanente des grands  
volcans Nyiragongo et <sup>(Niamlagira)</sup> Nyamuragira

1938 Niamlagira  
from a new crater on S.W. slope  
spewed of 400,000,000 cubic meter  
of lava. ceased in 1940 in Nyamuragira  
Activité permanente in ~~Nyiragongo~~ Nyiragongo

1948 were eruptions and  
vents to south of these active  
volcanoes

1951 Niamlagira  
Nov. 12/51 to mid Jan. 1952

---

1954 Niamlagira eruption new cratère Mihaga  
Le activité a débuté le février 1954

---

Nyiragongo truncated cone 3740m.

Green Lake 20 km from Kisumu.  
From Warden Head quarter 16 km. (2 km from  
road lava flow)  
we say 1953(?) flow.  
[1954?]



From Carr. Active Volcanoes of Africa  
 J.J. Richards in 1957  
 Nyamuragira  
 Shield volcano  
 Central crater  
 parasitic crater

International  
 Volcanological  
 Association  
 Naples 1957

June 1894  $\uparrow \Rightarrow$   
 96  $\uparrow$   
 Feb 99  $\uparrow \infty \Rightarrow$  Feb  $\Rightarrow$  lava flows  
 1901  $\uparrow \infty \Rightarrow$   
 2  $\infty \Rightarrow$   
 4  $\infty \uparrow \Rightarrow$   
 5  $\infty \uparrow \Rightarrow$   
 06-7  $\uparrow$   
 7  $\uparrow$  5 yr. in larval

$\uparrow$  normal eruption  
 $\wedge$  submarine erupt.  
 $\boxtimes$  eruptions in lava lake.  
 $\circ$  = erupt from radial fissure

Rumoka  
 some  
 few miles  
 N. of Kivu  
 cut off  
 Bay from  
 Lake

12  $\infty \uparrow \Rightarrow$  destruction of arable land  
 20  $\wedge$   
 21  $\circ$   
 21-38  $\boxtimes$   
 38-40  $\Rightarrow$  1800 went all the way to Lake Kivu  
 48  $\infty \circ \uparrow \Rightarrow$   
 51  $\infty \circ \uparrow \Rightarrow$  Nov. 17 - mid Jan 1952  
 54  $\infty \circ \uparrow \Rightarrow$  Feb. 21 - May 27  
 56  $\circ \uparrow \Rightarrow$  Nov. 17

1938  
 Jan 28  
 end  
 June 1940

"Shambene" Jan 28, 1938, flowed for weeks & months  
 Covered several hundred sq. miles reached  
 N.W. corner of L. Kivu  
 Native brought food etc from 20 miles



Nyamuragira (Synonyms =) Franz L.  
Richard  
~~Nyamtagira (Namtagira)~~

40 km north of Lake Kivu

Lat  $1^{\circ}25' S$ . Long  $29^{\circ}12' East$

Above sea level 10026 ft. (<sup>Perhansen</sup> 3053 m.) <sup>1948</sup>  
" Lake Kivu 1593-6 m. 3056 m.

Most active N. of L. Kivu.

Before volcano chain erected. Kivu  
by way of ~~L. Albert~~ went to Nile  
Edward

is most active volcano N. of Kivu

Before volcanoes Kivu flowed into Nile  
via Lac. Edward

Instead of to south. through Ruzizi  
R. + Tanganyika to Congo

Crater is 2 km in dia. 200-300 ft deep

Remarkable feature is number  
of satellite (satellite) eruptions  
& adventive cones on flanks &  
surrounding area. ~~1938-1948~~

In some cases 1938 & 1948 considerable  
emissions of lavas took place from  
fissures, without practically a cone or  
deposits being formed



See Nyamuragira } From  
Nyiragongo } J.J. Richard

20 km N. of Goma, Lake Kivu

Lat.  $1^{\circ}29'$  S.

Long  $29-14'$  East

Above sea level. 3470 (11,380 ft)

At above Kivu 2010m (6,594.6 ft)

Activity

1884

↑ 0

○ in central crater

Goetzen 1895

→ 94

0

↑ normal explosive

G.A. p. 210

98

0

99

0

~~erupts~~ eruptions in lava lake

Durch Africa von Ost nach West Berlin 1895

1900

0

1901

↑ 0

02

0

06

0

1911

0

Ans. Oct. 1911

1920 - 21/0 ↑

27

0

28

0

dense smoke

After having been quiet 1930-35,

Nyiragongo has been more or less constantly active. In daytime this activity was revealed by plume of smoke + steam, or higher by a red glow ~~erupts~~ (eruptions in lava lake)



## Western or Albertine Rift Valley

p. 31

Active or dormant volcanoes of African Continent, and of African Lake region ~~are~~ in particular are associated within or close to Eastern, or Gregory's Rift Valley of East Africa, and the Western, or Albertine ~~Rift~~ Valley of the Belgian Congo.

Valleys are ~~but~~ a part of the gigantic zone of crustal warping, faulting, and rifting, which forms the series of fault troughs of the Great Rift Valley.

The G.R. Valley stretches for over 7000 km. <sup>roughly</sup> in N-S. direction bet  $37^{\circ}\text{N}$  and  $20^{\circ}\text{S}$ . Runs from Taurus mountains in North down to Beira, South of the Zambezi, thus involving  $\frac{1}{6}$  of the earth's circumference.

Lac Vert



May 13. 1912 } Lava country <sup>in the</sup> one hundred  
 1938 } and 40 miles ~~road~~ <sup>road</sup> from  
 1948 } ~~collected~~ <sup>collected</sup> ~~from~~ <sup>from</sup> Kisenyi  
 at Head of Lake Kivu road to Bukavu  
 from Kisenyi (+ Boma)

On the way back from  
 Kisenyi around the head  
 of Lake Kivu we passed  
 through the heart of the lava  
 country

These lava flows  
 were perhaps the most im-  
 pressive that I



1 We had not ~~gotten very far along~~ before Oscar ~~called our attention to~~ <sup>pointed out</sup> several hot springs in a sulphurous area close to the road, one of them was a miniature geyser, of rather continuous flow, squirting a column of ~~hot~~ steaming hot water <sup>a foot or more</sup> ~~something like~~ ~~two feet~~ into the air.

1 Hot springs are not unusual in central Africa where there are ~~a number~~ <sup>several active</sup> volcanoes, and much evidence of vulcanism. ~~A few~~ <sup>rather pure</sup> ~~Some~~ of these springs are sources of salt of which there is a great dearth in Africa and which <sup>therefore</sup> is an important article of trade. One such spring is at Kibero on the eastern shore of Lake Albert, another at the north end of Lake Edward. ~~A number of lakes~~

~~Our next port-of-call was~~ <sup>to be</sup> ~~Kisenyi on May 12, but enroute we~~ ~~wanted to~~



Dr. Foshag our head curator of geology had asked us to get him samples of Congo laxas, and those of Central Africa had a chemical composition differing from those elsewhere in the world. He had especially mentioned the 1953 eruption of Mt Nyamuragira which we would pass on ~~our~~<sup>the</sup> way to Kisenyi our next port-of-call. ~~The~~ The special permits to collect there was required

was well worth the time taken out of the mornings journey. ~~For~~ ~~Call~~ upon Major Gilliaert, the chief game warden with headquarters at Rumangabo, not quite three hours out of Rwindio. Without the special guide he assigned us we would never have located the flow, for it was well back



Previous page ended up on elephant head in dark (46) (47)  
Lions are in number in this Park area, but we ~~have~~ <sup>had</sup> yet to encounter any. Mr. Baert took us to their feeding ground, ~~not where~~ <sup>to which</sup> they are fed but where they drag their prey, mostly hippos, ~~it seems~~ <sup>young and not fully grown</sup> at this spot. ~~For~~ <sup>There</sup> were heaps of bones on semicircular flat at a wide bend in the river. ~~below the bluff~~ <sup>below the bluff</sup> ~~which~~ <sup>which</sup> overlooked it. On occasion they may be seen here ~~from the bluff above~~ <sup>however</sup> especially toward evening. ~~but~~ <sup>Such</sup> was not our good fortune.

Here ~~too~~ <sup>abouts</sup> you find hippos way up on land. They've taken to foraging ashore. ~~There~~ <sup>There</sup> are so many of them in the water, that there is not food enough in way of aquatic vegetation to go around. ~~so~~

The one full day at Rwindi was all too short. Regretfully and somewhat hurriedly we left the next morning not from choice but ~~from~~ <sup>of</sup> necessity. Warning had been sent around that the bridge on our way out was due to ~~undergo~~ <sup>undergo</sup> such extensive repairs that the road over it would be closed for ~~at least three~~ <sup>two</sup> days, if not more. The choice was not ours, but we made it with a quarter of an hour to spare at 7:45 in the morning.



over

(61)

~~no para~~ ~~We got some good hyena skeletons~~ ~~too~~ ~~Here you will find~~  
hippos way up on land. They've  
taken to foraging ashore <sup>as</sup> there are so many <sup>of them</sup> in the water, there <sup>that is</sup> not food  
enough in way of <sup>aquatic vegetation</sup> ~~water plants~~ to go around. <sup>So</sup> they <sup>graze</sup> ~~make use of~~ the  
tall grass ashore. Still I want to see them eating it. We were told

~~on good authority that they do.~~ Everybody wanted another day ~~was~~ in Rwindi

~~Rwindi, I see,~~ <sup>There was</sup> but we had a Watusi dance ~~date~~ coming up in Kisenyi  
on the 12th <sup>of</sup> May and <sup>very much</sup> wanted to get some lava samples enroute from the  
1953 eruption of Mt. Nyamuragira. The Congo lavas are different in

chemical composition from those elsewhere in the world and the Museum

geologist was <sup>to for us get for him</sup> ~~anxious~~ ~~specimens of~~ ~~the~~ Here again

one had to have special permission to  
collect, in addition to our very strong  
letter of introduction ~~but~~ <sup>it proved</sup> It ~~was~~ well  
worth the time <sup>it took</sup> ~~to go for it.~~ ~~A~~

~~special guide was furnished us without~~  
~~whom~~ we would never have <sup>located</sup> ~~found~~ the  
lava flow for which we were looking ~~for~~  
It was well in the woods several miles  
of the main road over a rough and  
rocky trail.

~~necessary~~

necessary

~~to stop~~ at Rumangabo  
to see Major Gilliaert the chief game  
warden about the matter, for he furnished  
us a special guide without whom



47 → Lions are in number <sup>in this Park area, (61) 47</sup> ~~here~~ but we have yet to encounter any. ~~is the~~ Mr. Baert took us to their feeding ground, not where they are fed but where they drag their prey, mostly hippos, it seems, at this spot for there were heaps of bones on semicircular flat ~~area~~ at <sup>a wide</sup> ~~they~~ bend <sup>in</sup> the river. ~~At night you can hear if not see them.~~ On occasion they may be seen here from the bluff above, especially toward evening, but such was not our good fortune.

Turn back



An hours run from Bukavu at Lwiro is located the leading Belgian Congo ~~one of the main~~ headquarters of IRSAC station, ~~as it is known~~

The "Institut pour la recherche scientifique en Afrique centrale." <sup>(A fairly recent development -)</sup> New buildings were going up on all sides, handsome, am-  
modious <sup>well appointed</sup> buildings connected by breezeways a protection against the tropical sun as well as torrential rains. All fields of natural science full with in the purview of the station's research <sup>comprehensive</sup> program from anthropology to ~~set~~ microbiology excepting agricultural research for which there are INEAC ~~stations~~ stations, strategically placed through out the country. ~~It was at Yangambi that we~~ <sup>these</sup> of which Yangambi was the headquarters station.

Here at Lwiro we were assigned two small but very comfortable guest houses. These and the ~~station~~ proper are on the shores of Lake



An hours run from Bukavu is <sup>Belgian</sup> Lwiro  
where is located the leading Congolese  
search station



②

Kivu, a very considerable, very beautiful body of water about 75 miles in length. The highest <sup>large</sup> ~~lake~~ lake in all Africa it lies at an elevation of something over 1700 feet.

As luck would have it, as we drove up, the first man we encountered was Frank Lambrecht, a Belgian whom I met at Rutgers University three years before when he was acquainting himself with serological techniques and practice ~~in~~ under Dr. Alan Boyden. Here in the Congo he is ~~applying~~ looking into the incidence, spread, and possible control of sleeping sickness transmitted from animal to animal, and to man by the tsetse fly. ~~A~~ Serological examinations of the blood ingested by the flies makes it possible to determine the various species of animals upon which the flies have fed be-



(344)

sure capture. It is amazing the ~~serological~~ <sup>so</sup> information that can be derived from a drop of blood from a fly's stomach squeezed out on a piece of filter paper.

Dr. Lambrecht took us on a tour of the station and its laboratories, introduced us to the director Dr. van den Berghe, and ~~various~~ <sup>many</sup> members of scientific staff. We learned that the geological studies also carried on here include earthquakes and volcanoes (seismology and vulcanology). Biochemistry, nutrition, and animal parasitology have each their own specialist.

~~Living on the reservation, we~~ <sup>Resident at the station,</sup>

~~the late~~ Sound Dr. James P. Chapin and Mrs. Chapin. He ~~was~~ <sup>is</sup> an old Congo hand having first taken part in the exploration in 1902, when he was a youth of 12. ~~He~~ <sup>ever</sup> probably was ~~and a member~~



and a member of the American  
Museum's Lang-Chapin Expedition  
of 19



(4)

better acquainted with his ~~section~~ <sup>part of</sup>  
the world better than any other man  
having over it far and wide. A  
dedicated ornithologist, he was  
never without field glasses and  
seldom without his gun, as he  
wished definitely to document his  
observation with specimens of the  
birds concerned. But this not  
mean that all birds under observa-  
tion were made into study skins  
only where he needed to be definitely  
sure of the species involved.



Continuation of May 14/55 letter

~~By no means all the birds studied~~ <sup>were killed, some having been definitely were</sup>  
~~kill all the birds studied for that would end that particular study.~~  
<sup>on</sup> ~~which proved to be their last visit~~ <sup>have been living</sup>

The Chapins, <sup>this time</sup> ~~have been~~ here since '53. <sup>He serves as a</sup>  
~~Dr. Chapin~~ <sup>being the</sup>  
 consultant to Dr. van den Berghe, and according to the latter is the

man ~~who is~~ responsible for the selection of the Lwiro site

~~headquarters and main research center for the IZSAC.~~ <sup>within</sup> One here ~~is in reach~~ are

~~more different types of country, from jungle to near desert,~~ <sup>high</sup>

mountains, <sup>low</sup> ~~and low lying plains than~~ <sup>perhaps</sup> any other <sup>area within</sup> ~~place in the Congo~~ <sup>By</sup>

crossing the mountains to the West in a few hours you ~~are~~ <sup>find yourself</sup> in virgin

<sup>land</sup> ~~jungle (rain forests).~~ <sup>What a place for field studies!</sup> ~~All one needs is the time to explore.~~ <sup>In response</sup>

~~asked Chapin for a likely place off from things in general where one~~

~~could spend several weeks in a relatively untouched land and forest~~

~~among, or near natives not too much influenced by the white man, and he~~

<sup>out</sup> ~~pointed to a mountain to the north, and said there~~ <sup>the said "is"</sup> ~~there is a rest~~

house in a forest reserve, <sup>of</sup> ~~which you could have use~~ <sup>may</sup> ~~on application~~

and with a couple of native boys live there quite comfortably as long

as you liked. There you would see <sup>was still a sizeable bit of</sup> ~~this part of~~ Africa in

the original ~~Ruegege is the place, located at an elevation~~

of 8,000 feet, and not too difficult of access, but restricted as to

visitors. <sup>Can</sup> ~~From it as a base one could work out in all directions,~~ <sup>Its</sup>

a primitive and unspoiled place ~~says Chapin,~~ which it is a treat to

visit. He recommended the drier months, July, August, and/or December,

Jan. Feb. ~~Sorry we did not have the time to go there for just a look~~

~~around; it was a temptation, lying just over there, before your eyes~~

~~At Chapin's we got the opportunity to photograph some pygmies who live~~ <sup>In his</sup>

over the hill from his place <sup>ed, (a small band)</sup> ~~so we to speak,~~ <sup>just</sup> They made fire for us, just by



6

Twirling between the palms of the hands  
a stick of hard wood in a softer piece  
underneath.

Here in the mid-~~heart~~ of Africa you  
would scarcely expect to be able to attend  
a lecture by Alain Bombard, the French-  
man who crossed the Atlantic in a rubber  
life raft with ~~just about~~ <sup>on May 15</sup> more than  
a seven by three foot space for the  
passenger within its inflated cylindrical  
sides, but here he was with his wife  
travelling and lecturing through Africa.

6a

Follow with ~~the~~



Continuation of May 14/55 letter

here in the heart  
of Africa  
mid-Congo

6a

twirling a stick of hard wood in a softer piece underneath. It takes a bit  
of skill, ~~and patience and dry tinder~~, <sup>by hand</sup> at all. ~~a little skill~~ but they produce a fire in no time. The farther one

gets away from the cities the more real Africa you see, <sup>results</sup> and so it happened, <sup>that</sup>

here in Lwiro, from afternoon of the 14th through morning of the 16th

we had the opportunity of <sup>attending</sup> sitting in on a lecture given by Alain Bombard, <sup>for the station staff and</sup>

<sup>He was</sup> the Frenchman who crossed the Atlantic in a rubber life raft with

scarcely seven x three feet of space in ~~it~~ it. <sup>He</sup> <sup>should one say survived</sup> lived on planktonic

animals and fish he caught with nets, and hook and line. ~~And~~ Quite

naturally, <sup>he had</sup> very little in the way of ~~the~~ motion pictures but he did keep

his audience, the station staff, and families, <sup>spell bound</sup> entertained for a couple

of hours. I did not get much out of his discourse, <sup>French in French</sup> but I had had a

few words with him at lunch time earlier in the day. He <sup>spoke excellent</sup> speaks a very

English, <sup>informing me that</sup> and when I inquired for more real data ~~of his exploit~~ his exploit has

<sup>was been recorded by his</sup> said it had been typed out by the French government and that a copy

<sup>could be obtained from</sup> was available in the French Embassy in Washington <sup>He</sup> gave me a card

~~to the~~ to the Naval attache there, to whom he wished to be

remembered. He <sup>was to</sup> ~~expected to~~ attend a Navy conference in Washington in that

Fall on survival at sea, and <sup>he hoped to go</sup> on a brief lecture tour <sup>of the States</sup> at the time.

<sup>On our return</sup> ~~on our way back~~ to Bukavu we stopped at Mulungu to see the ~~area~~

INEAC station <sup>to look for mites</sup> on economic plants ~~being our objective here~~ <sup>this time</sup>.

<sup>that</sup> ~~The~~ place proved so interesting under the guidance of the director,

Dr. F. L. Hendrickx <sup>a second</sup> Baker wanted ~~another~~ day there.

Chapin came down from Lwiro for Bredo's cocktail party on the 17th  
from 6 p.m. till we went home to dinner near nine in the absence of the  
governor we met the acting governor. Everybody of consequence politically

is down Leopoleville way to see the King of all the Belgians who landed

there on the 16th. <sup>His advent brought on</sup> ~~There was~~ a colony wide holiday, even up here. <sup>in the back</sup>

understand that he's going pretty much all over the Congo and will be

up here in the near future.



(7)

The next day May 18 Dr. Baker returned to Mbulungu, while Dr. Sexton and I proceeded with car and truck to Uvira at the north end of Lake Tanganyika to keep an appointment with Dr. Georges Marlier, ichthyologist and director of the Hydrobiological Station maintained here by IRSAC.

~~Because of difficulties in construction~~ Because of difficulties in constructing the <sup>steep and tortuous</sup> ~~road~~ over and through the mountains from Bukavu to Uvira it is mostly a one way affair. To expedite the passage of cars and trucks each way, there are "gates" at intervals, a bamboo pole across to up-right, manned by a native living in a thatched hut close by. Before the door, and hard by <sup>each</sup> gate was a steel drum on which the watchman beat out <sup>the requisite</sup> a signal ~~telling~~ informing the next man up or down

(African drum style)



the mountain whether a car or truck, one or more had entered or left his ~~traffic~~<sup>road</sup> block bound up or down hill thus the road was kept clear and one way successfully in each section and traffic efficiently expedited. It could not have worked any better or more smoothly with a telephonic communication system.

We got to Uvira rather late, 8 p.m. and after dinner at the ~~local~~<sup>small</sup> hotel with Dr. Marlier retired to rooms provided for visitors ~~to the station~~. on the second floor of the laboratory building.

This was a very attractive establishment. Originally designed as a resort hotel but never finished it was taken over by the Government ~~as~~ for the Hydro-biological Station.



This place Uvira is another highlight in trip several weeks on this Lake Tanganyika is rewarding and worth anyone's while. I can most highly recommend this station and accommodations, and ~~it's~~ its young (38) director to anyone. WLS

My abrupt ending of the other day (about ~~May 16~~ May \_\_) left us-- you high and dry at the Uvira hydrobiological station at the head of Lake Tanganyika, in a comfortable spacious "old" hotel building. Did I mention that Marlier, the director, reminds me for all the world of Bob Lunz who was on the Joseph Conrad with us. Same build, thin, wiry, active, dark complected, black hair, and half French; both are in charge of biological stations and wives are both blondes. Marlier is just as interesting as Bob and loves his work just as much.

~~In~~ the morning of the 19th we went through the lab<sup>oratory</sup> examined collections, and talked over <sup>mutual</sup> problems ~~connected with the work, and people working along those lines elsewhere.~~ That afternoon we worked down the Lake shore west, and south, but got <sup>some very interesting</sup> very little--a few crabs.

~~For a long time we had to wait for the rare shrimp here George (Georges Marlier) promises for another~~

~~day.~~ The next morning ~~the 20th~~ the 40 ft lab<sup>oratory</sup> vessel was taken out on the lake and put through ~~some of its paces~~ <sup>several</sup> making a couple of dredge

hauls. ~~one was mostly sand with few dead shells, the other little else than a few aquatic plants.~~ The boat is here one needs just a

~~week more to make the best use of it,--a drum of gas would get a lot of "steaming" and hauling done; I'd also like to come back with some~~

which proved to be put through its paces for us



Continuation of May 14/55 letter

41/ suitable traps for deep water work - not too deep, for they ~~say~~ near the bottom there is a dearth of oxygen. There's an awful lot yet to be learned about this lake in spite of previous English and Belgian expeditions. ~~The Belgians were the first to demonstrate the abundance of fish now found in it.~~ A delicious small smelt-like fish and very good eating, occurs <sup>here</sup> in great quantity. ~~Each night is fished (dipped up) using light barrels.~~ On dark nights a torch light attracts them, though with moonlight and daylight they shun the surface. In the height of the fishing season as many as a thousand dug out canoes will be out at night with their torches, ~~although~~ <sup>however</sup> in these days Coleman (gasoline mantle) lights are used ~~instead~~. Their brighter beam draws the fish better, with the result that fishermen using <sup>such brighter</sup> lights have increased their catch 6 fold. <sup>these little fish</sup> ~~are most~~ <sup>exceedingly</sup> tasty ~~and grand to serve with cocktails.~~ The catch is practically all consumed <sup>locally and fresh.</sup> ~~Would that I could have had some canned for you.~~ They are cheap enough <sup>about</sup> 5-6 cents <sup>American</sup> a quart.

Every other week Marlier has a 600 ft. seine hauled on the ~~beach~~ beach at night for purpose of sampling the local fish population; he records ~~kind~~ kind, number, weight, and the stomach contents of representative specimens, in order to check on kind of food sought. Between weeks, day light hauls are made but so that I could see and photo a day time haul we staged one the very next morning also, the 21st, and sure enough we got more fish, additional kinds as compared with the night haul. A couple of <sup>the</sup> fish <sup>Marlier</sup> he said were rather rare. All but one of the latter <sup>which</sup> ~~that~~ Marlier wanted for the station collection, were "pickled" for the National Museum. After <sup>our</sup> ~~the~~ seine haul we ran over to Usumbura at the N. E. corner of the lake. Here resides the governor of the Belgian mandate-Ruandu-Urundi. <sup>was</sup> The newly appointed governor ~~is~~ Jean



~~Continuation of May 14/55 letter~~

Paul Harroy whom I've known by correspondence since 1939. He apologized for not asking us to lunch, but his wife was in a "state" getting the house ready for the King of the Belgians who was coming through just 10 days later. To tell the truth, the whole Belgian Congo <sup>was</sup> seething with excitement. There are thousands of natives working on the roads. It's virtually clean-up week for the entire colony. Harroy also is the man that appointed Marlier to his present position. You yourself would have enjoyed this brief visit with Harroy. Harroy was a former National Parks director, at Garamba Park where Marc Michá now holds forth and first of all a zoologist. His present appointment and departure for Ruanda was <sup>on a s/holiday</sup> a half day <sup>before</sup> just two months ~~ago~~, and was made, I <sup>was</sup> convinced because ~~they wanted~~ a man of his personality and intelligence <sup>was wanted for</sup> in charge here <sup>for</sup> when the King arrived. <sup>is</sup> <sup>arrival</sup> <sup>o</sup>

Sunday morning the 22nd ~~we got away after packing up at 10:00 a.m.~~ after having a last round of coffee with the Marliers, <sup>we</sup> <sup>by 10:15</sup> I've imbibed enough coffee day by day to see me through the rest of life if I never touch another drop. ~~We pushed right through to Astrida where~~ <sup>where</sup> Baker and young Sexton had gone from Mulungu <sup>o</sup> and Bukavu. Over-nighting in Astrida, we made ~~Gabri~~ Gabiro (the Kagera National Park) at 6:45 p.m. and darkness. Because of need for more time to get packed at Entebbe from which place the specimens and outfit are being sent home, rail to Mombassa, ship to New York, <sup>as it turned out</sup> we ~~had~~ moved up our <sup>Fortunately</sup> schedule a day. So it was we were not expected at Gabiro until the next day. <sup>Here</sup> <sup>Again</sup>, Dr. van Straelen's letters provided the open "sesame." Not only did the director of this Park, J. Haezaert, have us to cocktails twice and to dinner but his wife saw to it we were provided with a very complete luncheon for a next days all day tour <sup>and photoing</sup> of the Park.



Sept. 8/55

Dear Bruce and Mrs Bredin;

~~I have~~ A brief An  
acknowledgement of the  
happy event that I wished  
to write two days ago.  
Little girls are awfully  
sweet additions to any  
family and I know ~~the~~  
Antonina will be just  
that to all of you.

I shall be sending  
you shortly a little "rattle"  
the kind that proved  
so useful and appropriate



to all our youngsters and  
others of our friends;  
but I've been unable to  
get it engraved for love  
or money before some  
time next week. That's  
why ~~this~~ this note was  
delayed — in hopes that  
I ~~could~~ could.

Best of good  
luck and good wishes

Sincerely  
L. Alder

For the Schmitts

---



Box for come  
Schmitt

2 Ivory figurines  
8 in tall  
450 ea

~~450 ea~~  
900

1 wooden drum  
13 in tall

450

3 wooden plaques  
for lot

320

Sexton

2 elephant high lamp  
shades

700 ea

1400

2 ivory alligators  
for the pr.

200

1 ivory figurine

450



Waldo L. Schmitt

Declared in New York on  
entry 6 Small stone  
Scarabs set in gold  
For lot. 27 00

12,9,6

bought in Khartoum

10 Small earthen ware,  
coffee pots each  
with cloth ring to  
hold them at 10 P.T.

ea

100 P.T.



Instrument B

The chests contain my  
collecting ~~equipment and~~ <sup>equipment and</sup> work  
clothes, natural history  
geological specimens and  
soil samples, books and  
papers collected, or given  
me by scientists abroad

---

3 or 4 tanks specimens  
in alcohol-formalin mixture

---



In box to come

For Figurine 450

2 Ivory warriors @

450 ea

900

---

1350

~~3400~~

Bundled books

180 fr.



Declared an entry in  
New York

6 stone scarbs set in  
gold purchase price for the  
lot \$ 27 00

10 earthen ware coffee  
urns with supporting cloth  
rings @ 10 PT ea = 1 SE  
= (\$3 00)

Customs

---

handi

<del>Model</del>
------------------

fre  
400



D. S.

Nothing has been  
said in your letter  
of this carbon of  
the Brekin trip,  
as mentioned in  
the Annual Report

attach to excerpt ✓  
of Ann. Rept see carbon  
pp. 2-4



△

Through the generosity of Mr and Mrs Bruce Bredin of Greenville, Delaware, and because of their interest in the natural history of far off places, the Smithsonian Institution was enabled to undertake an investigation of the largely unknown and <sup>[? little studied]</sup> unstudied plant-mites fauna of the Belgian Congo, and to collect specimens of the other smaller animal life of ~~the~~ central Africa. Shrimps, crabs, fishes, bats and other small mammals were taken. Samples of soil



2  
were gathered throughout the trip for eventual  
antibiotic assay, and blocks of lava from  
recent volcanic eruptions, one as late as  
1953 ~~blocks were~~ secured for the department  
of ~~geology~~ of the National Museum. Insert 3

~~The expedition was in the field some~~ 29  
~~67 days~~ next sheet 4

The field party which assembled in Leopoldville, Belgian Congo, Apr. 8-11, consisted of Dr. Waldo L. Schmitt, head curator of zoology, leader of the expedition, Dr. Edward



(3)

So far as practicable a photographic record was kept of the expedition's operations, and observations, ~~of the invertebrate fauna~~ and the larger, Through the courtesy of the Institute ~~et~~ des Parcs Nationaux in Brussels and particularly its president Dr. Victor van Straelen, an honored friend and correspondent of the <sup>Smithsonian</sup> Institution it was possible to photograph ~~much~~ <sup>many</sup> of larger, characteristic so-called big game animals inhabiting



The great national parks, of the Belgian Congo, on the route and wild-life ~~game~~ refuges of the expedition, the Garamba, ~~Albert~~ ~~Serena~~ ~~visibly profitable~~ and Kagera National Parks. ~~A~~ ~~visibly~~ ~~scientific~~ were paid also to the leading ~~some~~ <sup>medical</sup> research <sup>zoological and agricultural</sup> institutions, a main <sup>Leopoldville</sup> ~~ruined~~ ~~by~~ the government including those at Tangambi, Nioka, <sup>and</sup> ~~Uvira~~ ~~and~~ ~~Bukavu~~ ~~and~~ ~~several~~ ~~other~~ ~~stations~~ ~~at~~ ~~the~~ ~~several~~ ~~days~~ ~~spent~~ ~~at~~ ~~the~~ ~~elephant~~ ~~training~~ ~~station~~ ~~at~~ ~~Ganga~~ ~~na-Bodio~~, and the hydrobiological station at Uvira at the northern end of Lake Tanganyika ~~were~~ ~~most~~ ~~rewarding~~ ~~also~~ <sup>were most rewarding</sup>.



W. Baker, acarologist, on loan from the <sup>5</sup> U.S. Department of Agriculture as <sup>plant-</sup>mite specialist, and Dr. Roy Lyman Sexton, Washington D.C. physician, ~~and his son Roy Lyman, Jr. as photographer, and as medical consultant, and photographer,~~ ~~with~~ assisted by ~~his son~~ Roy Lyman, Jr. as micro-photographic specialist.



travelling by auto, except for a plane flight <sup>from Leopoldville to Stanleyville</sup>  
About 50 days were spent principally  
in the Belgian Congo, and the mandated  
territory of Rwanda-Urundi, 4 days  
in passing through ~~the~~ British  
Uganda Territory, <sup>in order to</sup> ship the bulk  
of ~~the~~ collections ~~and film~~ out of  
Kampala, ~~and~~ to reach the head  
of navigation on the Nile at Duba.  
~~It took eleven days to traverse the Sudan by~~  
and ~~it~~ is the Sudan, descending the Nile  
The eleven days in the  
by steamer from — to Kosti,  
and from Kosti to Wida Halfa by train



~~Travelling by auto, truck, plane and~~  
~~boat,~~



and 8 days in Egypt, by ~~boat~~ <sup>train</sup> ~~and train~~

visiting the temples and tombs of  
the Kings at Abu-Simbel, Karnak  
Luxor and Thebes, and the Great  
Pyramids ~~at Cairo~~ and the Samed

~~the~~ Cairo Museum at Cairo. <sup>where</sup>  
The expedition ended ~~on June 17~~ <sup>the activities</sup> were concluded in June 17. <sup>known</sup>

The ~~granite~~ <sup>granite</sup> quarry at Assuan, from which  
whence came the ~~stone~~ <sup>red granite</sup> which the ~~Great~~ <sup>obelisks</sup>  
needle in ~~the~~ Central Park, including in Paris, London  
the Central Park in New York. The collections shipped by train  
from Kampala to Mombassa (over)



British East  
Africa

transport home are expected ~~early~~ <sup>same</sup> time in July

Shipped out of ~~Kampala, Uganda~~  
~~as about~~ by train to ~~(the port)~~ Mombassa  
The <sup>bulk of the</sup> collections made in the course  
of the expedition are still at sea at  
this writing.



Wooden head	400
Wooden fish	50

2 <sup>40 + 50</sup> native beads	90
1 Pygmy stool	300
2 mats	125

Raffia team 2 @ 35	70
--------------------	----

Arrow perhaps. <del>13</del>	200
2-3 bows at 40	120

2 undershirts @ 40	80
--------------------	----

1 pc. cloth.	180
--------------	-----

Handful of small 'ivory' pcs.	400
-------------------------------	-----

2 bracelets @ 75 ea	150
---------------------	-----

Pygmy bow & arrow	45
-------------------	----

Common arrow	30
--------------	----

<del>3 wooden plaques</del>	<del>320</del>
<del>head</del>	<del>5</del>

---

2130



Memo:

1

At one time you showed me a quotation <sup>for</sup> ~~for~~ for our trip which included chauffeurs ~~for~~ the autos we were to have. At that time we debated whether or not ~~such~~ <sup>the</sup> ~~chauffeur~~ <sup>passenger car</sup> spoke English, as none of the members of the party spoke French. I had ~~hoped to get~~ and so, as I recall it I "fell" for the guide proposition which ~~had been~~ <sup>II</sup> interjected into the picture by my wish to have Thornton along (because of Mark Evan's enthusiastic report on Thornton). Well, as you know, Thornton felt he couldn't get away, and I accepted a substitute, ~~but~~ But meanwhile I <sup>received</sup> ~~got~~ a Congo tour circular issued by the tourist bureau for the Belgian Congo in which Thorn. ~~to~~ <sup>was</sup> down for providing "delux" cars with European chauffeurs, well, that's what I got, but I need to know more of what he quoted you folks <sup>regarding cars, chauffeur, and guide</sup> ~~series of quotations~~ <sup>and dates of quotations</sup> rendered you.

Also, I assume that his quotations



999

500

130

1649

4x2  $\frac{80}{1}$   
640

250  
2

500

35

111

111

179  
160  
19



by Thornton

included cost of lodging and meals for every day of ~~the~~ tour. ~~But~~ we settled upon, and for which he quoted prices <sup>which had been figured on</sup> <sup>by us</sup> <sup>expected</sup> <sup>that</sup> <sup>made that</sup> <sup>mention</sup> <sup>was</sup> <sup>said</sup> of free accommodation ~~anywhere~~. It is true ~~I expected~~ later, after quotation ball had started rolling, ~~that I requested~~ <sup>that I requested</sup> ~~to get~~ guest privileges at ~~the~~ several of the Belgian <sup>scientific</sup> ~~research~~ <sup>research</sup> stations in the Congo, ~~but~~ <sup>with the understanding that we would pay the same time</sup> ~~paying the usual or~~ <sup>customary</sup> ~~current~~ fees for such accommodations and lodgings. Such fees, I gathered ~~were~~ <sup>in</sup> ~~from~~ literature available to me, were ~~in effect~~ paid by accepted guests and were offered <sup>by us</sup> <sup>in</sup> letters requesting those privileges. <sup>charges for</sup> My feeling <sup>was</sup> ~~being~~ that the ~~cost~~ <sup>charges for</sup> hotel or other accommodations furnished by Thornton would more than offset any <sup>expenses</sup> ~~charges~~ we would incur by going to research stations instead of hotels. In <sup>his</sup> Thornton's letter of March 3, <sup>after quotations had already been submitted</sup> <sup>Thornton wrote</sup> ~~he stated~~, "Guest house privileges requested by you will not complicate matters as, in any case, <sup>in</sup> <sup>[3]</sup> the place you mention, with the exception of Bukavu (ex Costermansville) I would myself have requested these, because no hotel facilities exist in



These out of the way spots".

43

Now it so happens that at <sup>one</sup> some of these places we ~~were expected~~ <sup>had</sup> to pay for meals (perhaps including lodgings) and fees to <sup>the</sup> help, and in one case a sum for the ~~boys~~ <sup>in</sup> "elephant boys" in lieu of rent. In ~~three~~ <sup>one or several</sup> places we furnished our own food as Thornton's chautler ~~failed to~~ <sup>did not fully</sup> carry out Thornton's <sup>his</sup> own instructions to ~~him~~ <sup>it</sup> to provide or secure ~~the necessary food~~ <sup>for its purchase</sup>, at least we paid the bills. In one place, Ruindi Camp, ~~it was free~~ when I wanted to pay, nothing was accepted except 200 frs for the house and tuble boys. Surely ~~we paid~~ in our advance payment <sup>we paid for</sup> the usual charges made all tourists at this place, ~~but~~ <sup>however</sup> after we got there we were treated as special (free) guests. This certainly was not anticipated in the quadri- upon which ~~your charges were based~~ <sup>the cost of the trip was</sup>.



based, or by <sup>US</sup> ~~ourselves~~ <sup>when we</sup> who offered to pay the usual or current charges. In all our <sup>letters to the directors of the establish.</sup> ~~communications~~ <sup>with every</sup> ~~ment~~ <sup>ment</sup> concerned. Therefore, where we were charged nothing, some rebate is due, and where we paid charges some refund ~~is due~~ <sup>could well be expected.</sup>

~~I have already~~ <sup>briefly</sup> ~~had some~~ <sup>discussed these matters with</sup> ~~Mr. Thomson~~ <sup>for our stay in Leopoldville</sup> ~~to begin with~~ <sup>In</sup> ~~chronologic order~~ <sup>these instances or items work out</sup> ~~as follows:~~

// When I met Mr. Thomson in Stanleyville, he <sup>inquired if</sup> ~~asked~~ <sup>had</sup> ~~we~~ <sup>been</sup> provided with an auto each day of our stay there. I said "Why no, no one told us, <sup>and</sup> I had not expected it." ~~However~~ <sup>He</sup> said he made such arrangements, and was surprised we hadn't had the <sup>use of</sup> ~~car~~ <sup>car</sup>. I asked him how much ~~was~~ <sup>cost</sup> ~~allowed~~ <sup>for</sup> ~~such a car~~ <sup>and</sup> he ~~replied~~ <sup>said</sup> \$18 a day! <sup>Therefore,</sup> ~~here again~~

and gave him a listing down to and through Bukavu much as ~~it is set out~~ <sup>recounted here</sup>. The copy of what I gave him is still <sup>en route</sup> ~~in~~ <sup>with my shipped papers</sup> ~~however~~ <sup>this</sup> ~~statement~~ <sup>is in fairly close agreement with the one I left</sup> ~~him.~~

~~We~~ <sup>we</sup> hired taxis for all our errands and going about except for the one half day sight seeing trips <sup>as noted in</sup> ~~US~~

~~The~~ <sup>the</sup> ~~cost~~ <sup>cost</sup> ~~of~~ <sup>of</sup> ~~the~~ <sup>the</sup> ~~trips~~ <sup>trips</sup> ~~was~~ <sup>was</sup> ~~about~~ <sup>about</sup> ~~\$100~~ <sup>\$100</sup>



15  
Can we not expect a refund of \$10  
a day for 10 days less two half day  
trips. <sup>(over)</sup> Also we were booked, he ~~thought~~ <sup>paid</sup>  
at the Memmling Hotel and was surprised  
that we ~~were~~ stayed in the Palace, a  
less expensive place. ~~I have~~ I believe  
we were better suited to, and accommo-  
dated in the less fancy place and would  
myself on another occasion pick the Palace  
over the Memmling which I never  
did see. ~~Be that as it may~~ I only mention  
this, not ~~in case~~ for any adjustment  
of charges but because I've just  
been forwarded a bill for our  
Palace meals and lodgings. <sup>(I have</sup> ~~written~~  
(carbon enclosed) the Atlantic Ocean Seas Corporation  
that I've turned their statement and  
letter over to you.



In this connection the Leopoldville  
Tourist folder (yellow, I believe I got my  
copy from you) has a quotation ~~at~~  
~~500 francs per~~ for taxi hire by the  
day of 500 francs which figure I  
was told locally <sup>is now about</sup> ~~is at~~ 800 francs  
a day ~~that is~~ \$ (16.00.)

~~should now be raised to~~

Turn back  
to p. 5



# After we got together with Mr. Thornton in Stanleyville. He came to meet us, I had not expected him. He persuaded us to forego the Ponhierville - Bindo - Muniee part of our itinerary, which did give us extra <sup>and</sup> much ~~needed~~ <sup>welcomed</sup> time in the Stanleyville area (but it also saved a lot of wear and tear on cars, and <sup>also</sup> gas); I ~~make~~ <sup>have</sup> no ~~real~~ <sup>objection</sup> ~~to~~ <sup>circumstances</sup> this ~~arrangement~~.

# Next, over May 23 - 25, <sup>(2 nites lodging)</sup> we went to Yangambi, being taken there by the Station auto. This ~~also~~ <sup>likewise</sup> saved ~~gas~~ <sup>running</sup> and ~~wear and tear on~~ <sup>on</sup> this car and truck over ~~some~~ <sup>some</sup> good roads. Be as that may, we <sup>inquired</sup> ~~offered~~ <sup>about the payment of</sup> our board <sup>bill</sup> in the dining hall, where the guests of the station take their meals and <sup>we</sup> were rendered a bill for

2844 frs; <sup>on</sup> top of ~~which~~ <sup>this</sup> we paid tips of 60 francs to house & table boys. <sup>total 2904 frs</sup> This bill is less extras that we paid separately. (Apr. 29 - May 1, 2 nites lodging.)

# For our two <sup>days</sup> ~~nights~~ at Gangala-na-Bodio, we had to provide food which amounted



This was  
to 999 frs bought in local <sup>native</sup> currency; 7  
~~with his and his~~ charges were checked  
by Thornton's <sup>European</sup> charter, Oscar Lagerström,  
~~who~~ <sup>he</sup> can certify to the correctness of these  
charges, and the fact that the man  
with whom we dealt at the station,  
Curt Cl. Corneil d'Elzins, said 500 frs was  
acceptable in lieu of rent, over and

(for the elephant boys)  
above what the cook and house boy  
received in tips, 150 frs, making 1649  
franks the total cost of ~~the stop~~ <sup>stopping</sup> here.  
We did cause them a lot of inconvenience  
~~moving~~ moving in cots, mosquito nets  
etc.

<sup>Camp</sup> May 9-11 (2 nites lodging)  
At Ruindin everything was free. ~~at~~  
~~do as~~ Based on <sup>their</sup> posted schedule <sup>2160</sup>  
of charges ~~this would have amounted at least to~~ <sup>2310</sup>  
franks ~~was~~ saved out of cost of the tour.  
Broken down these <sup>particular savings</sup> ~~charges~~ consist of: (one)

Insert <sup>Lohung for Koto p. 8</sup>

At Lwiro, May 14-17 (3 nites lodging)  
cost lodging ~~was not mentioned~~ and when I  
asked for food bill I was told by the  
(lady) caterer that it would be <sup>mailed</sup> ~~sent~~  
I said either send it to me or Thom <sup>he</sup>  
but to date I have not received one



Lodgings for 4 @ 250 for 2	500
Lodging for 1 @ 60	60
2 Breakfasts for 5 @ 35 ea. (10 x 35)	350
1 Lunch for 5 @ 70 (5 x 70)	350
2 Dinners for 5 @ 70 (10 x 70)	700
Tips guid table and house boys	200
(soda and Tea extra, (not included))	<hr/> 2160 <sub>rs</sub>



26/10/87

Tips paid here were nominal. Should we not be rebated what it would have cost to <sup>over</sup>

~~At~~ I shango, May 6-7 (1 nite's lodging)  
we bought food, as I recall it, to  
the amount of 426 francs) and paid  
tips ~~sugge~~ (I believe, this <sup>was</sup> in list Grnichen  
Sexton Thornton, but I have not yet been able  
to get ahold of my copy. <sup>and it</sup> This included  
food for his charter as well as the  
4 of us. <sup>I also</sup> paid <sup>the</sup> tips suggested  
by ~~the~~ <sup>his</sup> charter: ~~about 100~~ 100  
francs to house man and cook, ~~to~~ guides  
50 and 60 francs, <sup>raising</sup> ~~making~~ the total  
of our <sup>actual</sup> ~~expenditures~~ ~~here to~~ 636 francs.  
For lodging there was <sup>apparently</sup> no charge.

At Uvira, May 18-22 (4 nites, lodging)  
Thornton's man (charter paid for 4 meals  
for two of us, as I recall it, at 80  
francs each, 360 francs. <sup>but</sup> ~~and~~ we got  
~~either no other meals free, or bought~~  
~~paid several dinners~~ <sup>above this</sup> ~~other meals free,~~  
<sup>Breakfast was furnished at the station. Other meals, in part,</sup>  
~~meals~~ were taken at the local hotel, so if  
we had not been given guest privileges  
at Station, Thornton would ~~or even~~ have  
had to put us up in <sup>the</sup> hotel. Tips to  
Station room boy and cook amounted  
to 140 francs ~~but I think~~ <sup>are</sup> ~~we are~~ due



put us up at a Bukavu hotel for this  
period?



19<sup>9</sup>

Some reduction of charges ~~here~~ for  
free lodgings and ~~breakfasts~~ <sup>meals here</sup> as elsewhere  
~~in this continent~~. If we guided in advance  
for 51 days meals and lodgings, ~~these~~  
should <sup>not the savings</sup> accrue to us rather than <sup>to</sup> Thomson.

// At Kagera Park, May 23-25 (2 nights,  
lodging) Thomson's man furnished food  
or rather paid for <sup>the</sup> groceries. This time  
lodgings were apparently free, and I paid  
houseboys cook and guide ~~22~~  
~~to~~ 220 francs ~~for~~ in  
lieu of rent and service.

~~At the Lake~~  
~~Because of~~

// As we had a lot of packing to do  
before we left for Duba, we skipped  
~~Mbarara~~ <sup>Mbarara</sup> (where we ~~were~~ to have spent  
a night on the ~~road~~ <sup>way</sup> to Entebbe with  
Thomson's <sup>suggestion</sup> ~~approval~~) and so were due  
two nights at <sup>the</sup> Lake Victoria Hotel ~~in~~  
~~Entebbe~~, but <sup>however</sup> as our Duba flight reser-  
vations did not materialize, we had to  
skip the second night in <sup>the</sup> Lake Victoria  
Hotel and at least for the one  
night's days meals ~~less breakfast and~~  
one night's lodging. <sup>There not</sup> Should <sup>be</sup>  
a ~~redundant~~ <sup>or rebate</sup> ~~however we stopped at~~



110

~~Sulu where charges were less and~~  
~~amounting to but~~

¶ The failure of the Hunting Clan air  
line to ~~have~~ <sup>reserve</sup> place for us set us  
back \$350 for ~~an~~ <sup>the emergency</sup> ~~fare~~ <sup>fare</sup> to Juba.  
This will in part be offset by refunds  
we can get on <sup>our</sup> air tickets for the  
~~Entebbe - Juba flight.~~

¶ ~~I~~ I've already mentioned, ~~that I~~ <sup>that I would</sup>  
like to get back what we paid out  
at the several research stations for  
food ~~and~~ and lodging and <sup>receive</sup>  
a rebate ~~on the~~ <sup>on the</sup> original ~~cost~~ <sup>cost</sup> ~~of the~~  
to the extent of the ~~savings~~ <sup>savings</sup> made possible by courtesies  
~~sums we saved~~ <sup>by the</sup> ~~research~~ <sup>research</sup>  
~~stations we enjoyed~~ <sup>extended</sup> ~~the~~ <sup>granted</sup> ~~the~~ <sup>USO</sup>  
~~expedition in part at least.~~

I hope I don't sound presumptuous  
in writing all this in this fashion but I  
am asking that these matters be given  
favorable consideration that some <sup>reasonable</sup> ~~adjust-~~  
ment may be forthcoming.



Collected at Sar  
in flight to  
Glanton.

Sean Anmol  
 Subena Guest  
 House

Wazania / Fisher.

Astr. deparatus

204/8  
 281

2230  
 2190  
 1967

2.81 (500.00 / 177)

4000h.  
 5000

500  
 2.81



~~1753~~

751 - 36 ✓  
58 ✓  
168 ✓  
195 ✓

752 32 or 33  
38 or 69

753 - 55 ✓  
97 ✓

804 - 55 ✓  
10

832 - 1

852 - 73

1890  
1863  
26  
1889



Paulis

52,595

---

Buying palm nuts Apr. 28 52635

---

Bridge to Terr. Niangara 52666

---

round conical roofed houses 56695

---

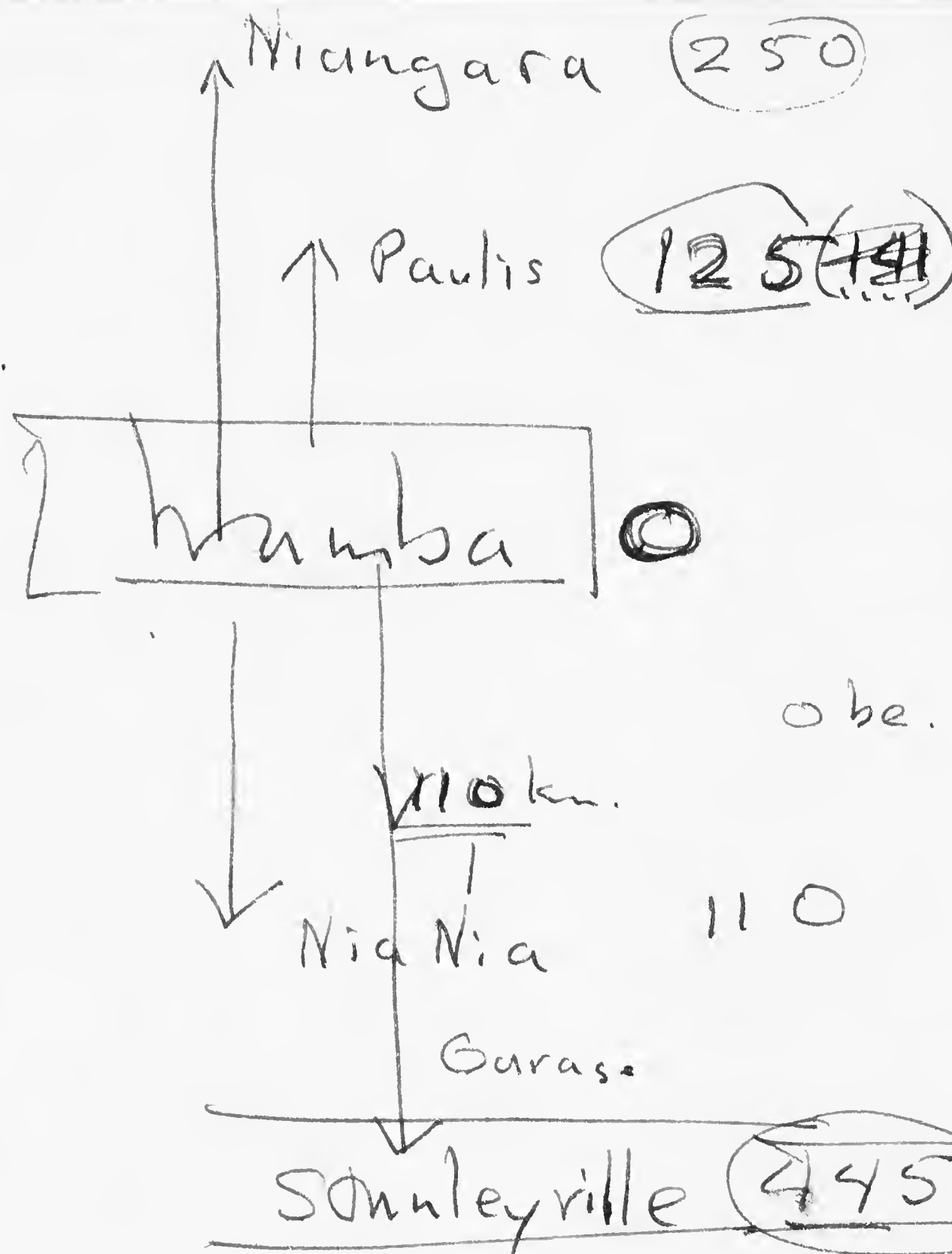
Arr. Niangara

---

52752



obe to paulis.



52764

52488 Bridge  
1/2 mile before Paulis

52571  
52488  
83  
62

166  
498  
51.46 miles.

52439  
52459

obe.

52410

52328

52245

51970

52752 Stanley to Niagan  
51970 = 695 km?  
782 km. vs. 782

my readings



Divira. 18. dm.

19

20

21

22

arr. Abri da.

5 9 0 5 5  
-----  
6 9 7 5 5

8 2 8 7 5  
-----  
6 9 7 5 5



Last kl. was on leaving Kagera

May 24

How far Entebbe to Gabiro  
or Kakitumba

Gabiro to Kakitumba = 58 km.

Kagera. to Mbarara	210 miles
M. <u>to</u> Entebbe	<u>180</u> "
	390 "

Lv. Kagera 56338  
8 a.m.

6:30 a.m. 56205

Azrida kl. 55891

Azrida to Kagera 200 miles

56338
55891
<u>449</u> kl.
<u>62</u>
894
268.2
<u>27714</u>

56205
55891
<u>304</u> kl.
<u>62</u>
608
1824
<u>188.48</u>
189

56157
<u>36</u>
56193
55891
<u>302</u> kl.



Lv. Stanleyville. <sup>Astrida.</sup> 55891 kl  
51970 "

Distance Stanley to Astrida 3921 "  
 62

7842  
 23526  
2431.02 miles  
 390 miles

Kagera Entebbe

~~Entebbe~~ <sup>Astrida.</sup> Kagera

2821  
 200 miles

Entebbe Duba

2821  
 450 miles

3 days Stanley at 20 →  
 Leopold.

3271 miles  
 60 miles  
 60 miles

Air Leo to Stanley

~~3500~~

~~3391 miles~~

109

3400 by auto in Congo

days miles  
 51 ) 3400 ( 66,6  
306  
 340  
306  
 340



Apr. <sup>26</sup> Shunleyville to Nia Nia 208 miles  
at km<sup>22</sup> tropical forest begins.

km 123. Ferry across. I shopo bridge planned. 528 ft.  
km 327 beyond Arakubi. Bridge bet. Shunleyville dist<sup>to</sup> Kibali Ituri  
km. 336 = Nia Nia giant trees up to 130 ft high

Kan Paulis to Bangala 200 miles

Bunia to Drumu 55 km

Kasenyi to Butiaba in Uganda  
Bunia to Kasenyi & back 68 miles



# MARCH 1955

*Sun*

*Mon*

*Tue*

*Wed*

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*Fri*

*Sat*

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Left N.Y. 12:30 p.m.

27

Arr. Gmaler

Arr. Manchester

28

Spent all day

29

Miss Edmonds  
Basel  
Museum Basel

Left London

30

Left 8:30  
Arr. Entomological  
Mus. 11:23

Arr. London

31

Arr. London  
dinner with  
Basel  
Baker

UNITED STATES GOVERNMENT

DO NOT TEAR OFF  
[ Fold Leaf Back for Next Month ]



9 days Leo  
no more than 58 lies

# APRIL 1955

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					<p>Train 10:00 Lst. Leiden 9.15 At. K. in Vennend 11:10 Lst for air hotel 11:30 Some clouds Sunny &amp; bright Landed about 11 a.m. at Leo about 12.30</p>	<p>Sam Webers Ansler</p>
<p>Visited Bulis at 11:20 Plunge 2.20 all odd. with Kugel &amp; Webers Kugel left 11 p.m.</p>	<p>With Bulis had lunch with Forensen &amp; Buis At. 2.00 Street 3.20 in the Museum Nijmegen Nijmegen</p>	<p>Left. 10:00 2.30 p.m. half late Arr. 4.30 Hotel near 5 p.m.</p>	<p>At Embassy girl made date with Van Strien for 11 a.m. to see for movies with Van Strien by Felix. Group Museum in a.m.</p>	<p>Sam Coorssen &amp; Coorssen Governor &amp; geol. date in a.m. Med. Lab. wonderful place</p>	<p>am. about town orig. Tour. ?</p>	<p>light rain 2.30 p.m. left for at Sat. 11 p.m. with M. G. G. G.</p>
<p>Secondary in packet on 11:30</p>	<p>Sexton's at noon hot test day yet</p>	<p>De 12:15 all arranging everything at five re bed</p>	<p>De 13:00 all day at Museum</p>	<p>Dinner at Yosts with Lynhamis and Morrison 5.15-12 mid</p>	<p>Native market Rain 1st half day</p>	<p>sound &amp; film. Set. back to Falls (catharact)</p>
<p>De Stanleyville</p>	<p>Ingenia R. 11:00 P. 11:00 C. 11:00</p>	<p>Back to R. 11:00 C. 11:00</p>	<p>Boat with R. 11:00 C. 11:00</p>	<p>Customs out at 11.30</p>	<p>Pack to leave after Yancamp</p>	<p>to Yancamp visited L. 11:00</p>
<p>Some coffee, milk plantations, vil. bulis at 11:30 P. 11:00 C. 11:00</p>	<p>Home from Yancamp 2 1/2 hours</p>	<p>De 12:15 all arranging everything at five re bed</p>	<p>All forenoon fisheries 4 crabs; lot of frogs</p>	<p>Canoe case Roy Took with Budd</p>	<p>6.30 Breakfast to Gungah na Godio</p>	<p>to Garamba Plk More Michal Lunch 11:00</p>
<p>Panel callous</p>	<p>got back at 12 noon</p>	<p>De 12:15 all arranging everything at five re bed</p>	<p>Paul S. Call at 1.30-4.30 in Niangara</p>	<p>Left 11:00 at 1.30-4.30 in Niangara</p>	<p>Elephant bath DO NOT TEAR OFF Fold Leaf Back for Next Month</p>	<p>Female was 1st with 1st</p>



# MAY 1955

72 71  
14 14  
308 284  
72 71  
44

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Gungala to Niska 300 mi haul one small bear rain all night in Le G... de Niska	2 Niska Lab. to Bunia arrive 4:30 5 p.m.	3 Kasenyi Mont Noyo Lunch at Bunia but no service	4 Mont. Noyo Thru lunch till 4 p.m. to Mutunga arr. 8 p.m. he forget wonderful sunset pushed up even if through trees.	5 At. Mutunga made prepade + get tested wind ready Cable Chief Warden	6 Ly. for Isangai early a.m. up at 5 a.m. start at 6:00 when 5:30 bagged	7 Cable for Isangai to Beni from 11 a.m. Paled... Beni 3:45 p.m. Arr. Beni 3:45 p.m. in rain
8 B... house 5 p.m. after rain fine place money get	9 L... 11:30 in rain arr. at 4:40	10 In Rwanda fire from after mess... because of light B... pups	11 In Kasenyi by 4:30	12 Baker out W... from 10:30 to 11:15 st. spend on spec & packets	13 Get lava from At. Beni L... Beni at 5:45	14 See Jadin + Bredo IRSAC night time 6:30 to 7 p.m.
15 Chapin for supper Ylinks for lunch L... 140	16 Pack lava Living mites taken tree leaf galls Alain Bombard Books lecture	17 A... Bredo L... Uvira afternoon 2:50 p.m.	18 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	19 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	20 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	21 L... Uvira afternoon 7:15 p.m. get there 8 p.m.
22 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	23 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	24 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	25 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	26 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	27 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	28 L... Uvira afternoon 7:15 p.m. get there 8 p.m.
29 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	30 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	31 L... Uvira afternoon 7:15 p.m. get there 8 p.m.	<p>DO NOT TEAR OFF</p> <p>Fold Leaf Back for Next Month</p>			







# JULY 1955

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*Fri*

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# AUGUST 1955

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*Fri*

*Sat*

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# SEPTEMBER 1955

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# OCTOBER 1955

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11.80  
122

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Thu

Fri

Sat

12/12/55  
12/12/55

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1954

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2					1	2	3
3	4	5	6	7	8	9	4	5	6	7	8	9	10
10	11	12	13	14	15	16	11	12	13	14	15	16	17
17	18	19	20	21	22	23	18	19	20	21	22	23	24
24	25	26	27	28	29	30	25	26	27	28	29	30	31
31													

FEBRUARY							AUGUST						
	1	2	3	4	5	6	1	2	3	4	5	6	7
7	8	9	10	11	12	13	8	9	10	11	12	13	14
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21	22	23	24	25	26	27	22	23	24	25	26	27	28
28							29	30	31				

MARCH							SEPTEMBER						
	1	2	3	4	5	6	5	6	7	8	9	10	11
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28	29	30	31				31						

APRIL							OCTOBER						
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18	19	20	21	22	23	24	24	25	26	27	28	29	30
25	26	27	28	29	30		31						

MAY							NOVEMBER						
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9	10	11	12	13	14	15	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30				
30	31												

JUNE							DECEMBER						
		1	2	3	4	5	5	6	7	8	9	10	11
6	7	8	9	10	11	12	12	13	14	15	16	17	18
13	14	15	16	17	18	19	19	20	21	22	23	24	25
20	21	22	23	24	25	26	26	27	28	29	30	31	
27	28	29	30										

1955

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1						1	2
2	3	4	5	6	7	8	3	4	5	6	7	8	9
9	10	11	12	13	14	15	10	11	12	13	14	15	16
16	17	18	19	20	21	22	17	18	19	20	21	22	23
23	24	25	26	27	28	29	24	25	26	27	28	29	30
30	31						31						

FEBRUARY							AUGUST						
	1	2	3	4	5		1	2	3	4	5	6	
6	7	8	9	10	11	12	7	8	9	10	11	12	13
13	14	15	16	17	18	19	14	15	16	17	18	19	20
20	21	22	23	24	25	26	21	22	23	24	25	26	27
27	28						28	29	30	31			

MARCH							SEPTEMBER						
	1	2	3	4	5					1	2	3	
6	7	8	9	10	11	12	4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30	31			25	26	27	28	29	30	

APRIL							OCTOBER						
					1	2						1	
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17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29
							30	31					

MAY							NOVEMBER						
1	2	3	4	5	6	7	6	7	8	9	10	11	12
8	9	10	11	12	13	14	13	14	15	16	17	18	19
15	16	17	18	19	20	21	20	21	22	23	24	25	26
22	23	24	25	26	27	28	27	28	29	30			
29	30	31											

JUNE							DECEMBER						
		1	2	3	4						1	2	3
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12	13	14	15	16	17	18	11	12	13	14	15	16	17
19	20	21	22	23	24	25	18	19	20	21	22	23	24
26	27	28	29	30			25	26	27	28	29	30	31

1956

JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31				

FEBRUARY							AUGUST						
		1	2	3	4		5	6	7	8	9	10	11
5	6	7	8	9	10	11	12	13	14	15	16	17	18
12	13	14	15	16	17	18	19	20	21	22	23	24	25
19	20	21	22	23	24	25	26	27	28	29	30	31	

MARCH							SEPTEMBER						
				1	2	3	2	3	4	5	6	7	8
4	5	6	7	8	9	10	9	10	11	12	13	14	15
11	12	13	14	15	16	17	16	17	18	19	20	21	22
18	19	20	21	22	23	24	23	24	25	26	27	28	29
25	26	27	28	29	30	31	30						

APRIL							OCTOBER						
1	2	3	4	5	6	7					1	2	3
8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	21	22	23	24	25	26	27
29	30						28	29	30	31			

MAY							NOVEMBER						
		1	2	3	4	5					1	2	3
6	7	8	9	10	11	12	4	5	6	7	8	9	10
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20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30	31			25	26	27	28	29	30	

JUNE							DECEMBER						
				1	2							1	
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17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29
							30	31					







Cans

(No shut)

18 Gover. Cook.

19 Fisheries Dshgo Falls

(20) ~~collected shrimp~~

21. ~~Open. day~~

Friday

Yangambi.  
Sat 23  
Sun 24  
Mon 25

[4 hrs] } Yangambi.

26 Early Nya Nya (5 hrs to lunch)  
2 hrs

27 N. Paulis 5 hrs Lunch  
Car service be there by 10  
Shrimp Leisure

(28) Dance. (2 hrs)  
Niagara small stop. 2 hrs shrimp.

Fri 29 Gangala-na-Bedio (Norwegian Mission)

30 Full day at Gangala

Sun May 1 Nioka (sleep) 1/2 day there  
2 morning Bunia in after noon



Radio Gram

Dr. V. van Straelen

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~~Thanks~~ Since leaving Leo ~~have~~ learned  
must have special permit Governor  
General to get into Gangula and  
Garamba Park

Thank you for good word sent  
Gangula, ~~but~~ ~~have~~ now learn resident  
There sends word must have special  
permit Governor General back in  
Leo. ~~Can~~ Please intercede

Van Straelen wrote Gangula Garamba  
Park man but <sup>also</sup> ~~he~~ must ~~also~~ have  
special permit ~~Governor~~ General  
please try hard ~~for~~



May 3 <sup>Rumangabo 530 630</sup> ~~15~~ <sup>15</sup> ~~at 2 p.m.~~  
May 4 <sup>1 hr. dance</sup> ~~1 hr. dance~~ <sup>8 am dance</sup>  
ask Ayo people collect. till lunch  
high before ~~pull out after lunch.~~

Bats swarm in Even

Buddy shot bats

May 5 Mut. ~~to~~ fish in stream.

May 6 Muhunga. ~~to~~ 2 hr. run.

Beni at 8 am  
Lv. May 8 9 am. 13 miles Pymy village

May to 13. 10-11 1 hr. — Beni for lunch

May 8 Lunch in Beni to Butembe } after 3 hr run  
change of environment } do 40 miles

9 in. Butembe 130 6 hrs 730 5 hrs to Ruindi.

May 10 in Park afternoon visit in Ruindi for lunch

Van Straelen 3 hrs see Geologist, guide  
talk about lava.

Chief game warden

Van Straelen.

1953  
flor

Chief game warden : Comdt. GILLIAERT  
game warden at Ruindi : Mr. BAERT

→ RUMANGABO

with Van Straelen



May 11 /v. early me lv at 7<sup>30</sup> 5 hrs to Kis  
Time for lava.

Gen. General sent memo.

to

Phone: (MacGregor.)

II

(Van Straelen re lava. wire  
Dope ~~radi~~ their will no